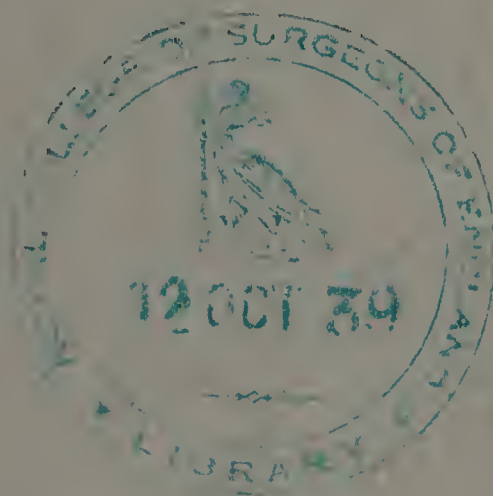


PETER BENT BRIGHAM HOSPITAL --- BOSTON

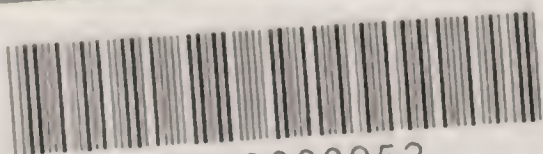
TWENTY-FIFTH ANNUAL REPORT FOR THE YEAR 1938



1939

FORM OF BEQUEST

I give and bequeath to the Peter Bent Brigham Hospital, a Corporation established under the laws of the Commonwealth of Massachusetts, the sum of.....dollars, the same to be used for the furtherance of its charitable work.



22503068952

TWENTY-FIFTH ANNUAL REPORT
OF THE
PETER BENT BRIGHAM
HOSPITAL

FOR THE YEAR
1938



1939



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President's Report

OUR REAL problem is still lack of endowment. Our founder's funds were largely in real estate and unfortunately a large amount was kept in that sort of property and any owner of real estate knows what that means.

The majority of our Trustees have been elected in the last few years and are now a board that any hospital might be proud of, and have done a great deal of work in the last two years. Much of our real estate has been sacrificed at great loss of capital in cases where the taxes were more than the income and our fund is in better shape that it ever was before.

In order to keep running, an unfortunate amount of our capital has been sacrificed in the last ten years, in spite of the large amounts which we have received from the Community Federation. Any one interested in the Hospital and its great assistance to the Harvard Medical School as one of the important teaching centers can be of great help in inducing friends and patients to give donations or leave bequests to this Hospital. Our neighbors, who are doing no better work, benefit annually from such gifts while ours have been conspicuous by their absence owing to our having started life sufficiently endowed.

On January 1, our Superintendent, Dr. Joseph B. Howland, who has for twenty years handled the Hospital most efficiently, retired and I know will be missed by all who know the Hospital. We were fortunate in getting Dr. Norbert A. Wilhelm to take up the difficult work as his successor.

Changes are coming rapidly in our staff and next year we lose our Medical Chief, Dr. Henry A. Christian, who has worked so faithfully for the Hospital for the last

PETER BENT BRIGHAM HOSPITAL

twenty-six years. Also, one of his assistants, Dr. Robert T. Monroe, who will leave us on September 1. On the surgical service, we will lose Dr. David Cheever. Dr. Christian's successor will be Dr. Soma Weiss and we have great hopes that he will continue to improve and modernize our medical efficiency.

We have continued our custom of appointing distinguished doctors as Chiefs of Staff *pro tempore* for one week. Dr. Emil Goetsch served as our Surgeon-in-Chief *pro tempore* during the Reunion, and Dr. Francis G. Blake as Physician-in-Chief *pro tempore*. We have benefitted greatly from this contact with practice in other institutions.

The Ladies' Social Service Committee, the Advisory Committee of the School of Nursing, and the Gray Lady Service of the American Red Cross have continued their good work in assisting us.

WILLIAM AMORY,
President.

DECEMBER 31, 1938.

Gifts to the Hospital During the Year 1938

For Special Purposes:

Alumnæ Association of the Peter Bent Brigham Hospital	
School of Nursing for :	
Carrie M. Hall Free Bed Fund	\$ 1,000.00
Anonymous donation for :	
Fund for Research in Renal and Vascular Disease	1,000.00
Anonymous donation for :	
Surgeon-in-Chief Fund	5,000.00
Mr. K. A. Fanhead for :	
Roentgenological Fund	10.15
{ Godfrey M. Hyams Trust } for :	{ 1,955.00
{ Anonymous donation }	{ 1,013.50
Tilting Fluoroscopic Table Fund	
Anonymous donations (3) for :	
Pernicious Anemia Fund	225.00
William Amory for :	
School of Nursing	15,000.00
Boston Council of Social Agencies for :	
Medical Relief for Welfare Cases	1,004.07
Committee of the Permanent Charity Fund, Inc.:	
For relief cases	800.00
Anonymous donations (2) for :	
Fiction Library Fund	18.00
Total	\$ 27,025.72

For the Social Service Department:

Lend-A-Hand Society	\$ 257.50
We-Ten	88.50
League of Women for Community Service	10.00
Family Welfare Society of Boston	20.00
Benton Fund	163.00
German Aid Society	10.00
The Frederick E. Weber Charities Corp.	200.00
Ellen M. Greenleaf	8.00
Gertrude F. Hooper	10.00
Boston Elevated R. R. Co.	30.00
Helen E. Endicott	25.00
E. I. Basset	10.00
American Invalid Aid Co.	15.00
Mrs. M. E. Davis	20.00
Walnut Hill Christian Association	25.00
Mrs. Frank Rummill	10.00
Charlotte H. Denny	30.00
Thomas Long	10.00
Kiwanis Club	17.50

PETER BENT BRIGHAM HOSPITAL

Mrs. Ursula D. Burrage	5.00
Mary B. Lord	5.00
Willis Munro	5.00
Mrs. W. B. Parker	5.00
Mrs. Mary E. Dunkler	15.00
Eugenia B. Herring	5.00
The Junior League of Boston, Inc.	10.00
Lotta Crabtree Fund	100.00
Mrs. David Cheever	5.00
Mrs. Richard C. Paine	15.00
Katherine Homans	5.00
Mrs. George P. Denny	5.00
Mrs. F. Murray Forbes	10.00
Dr. and Mrs. Elliott C. Cutler	5.00
Mrs. L. D. N. Johnson	1.00
Mrs. Donald MacKay Frost	20.00
Anonymous	211.50

Total\$ 1,387.00

For General Operating Purposes:

Committee of the Permanent Charity Fund, Inc. (for Social Service Department)	\$ 2,000.00
A. C. Ratschesky Foundation	200.00
Isabelle Nicholson	25.00
Simon Hirschberg Trust	6.80
Photius Fiske Fund (for poor and needy colored patients)	175.00
Arthur D. Nock	10.00
Trust u/w Dr. Ruey B. Stevens	500.00
	\$ 2,916.80

Community Federation of Boston (final pay- ment on account of 1937 quota)	\$ 1,905.00
Community Federation of Boston (on account of 1938 quota)	142,643.00
	144,548.00

Total\$147,464.80

GIFTS TO THE HOSPITAL

Free Bed Funds

AS OF DECEMBER 31, 1938

Alexander Cochrane	\$10,000.00
Carrie M. Hall	9,000.00
(Alumnae Association of the Peter Bent Brigham Hospital School of Nursing)	
Henry Saltonstall Howe	5,000.00
Walter Hunnewell	10,000.00
Aimee Lamb (In memory of Mrs. Winthrop Sargent)	5,000.00
Theodore Lyman	900.00
In memory of D. W.	10,000.00
In memory of E. S. B.	10,000.00
M. R. A.	900.00
W. A.	10,000.00

The Hospital welcomes gifts for Free Beds. A Free Bed may be established for one year by a gift of \$100.00, for ten years by a gift of \$1,000.00, and in perpetuity by a gift of \$5,000.00 or over. The donor may nominate the occupant of the Free Bed for such period of time as will exhaust, at current ward rates, the sum given—in one year in the case of a \$100.00 Free Bed or at the rate of \$100.00 a year in the case of a \$1,000.00 Free Bed. In the case of a \$5,000.00 (or over) Free Bed, the donor during his or her life, and thereafter the donor's nominee, may nominate the occupant of the Free Bed, for such period of time in any year as will exhaust, at current ward rates, the income credited in such year on the sum given.

Report of the Treasurer

For the Year Ended December 31, 1938

Schedule A

SUMMARIZED STATEMENT OF INCOME AND EXPENSES

Income from Endowment Funds:

Interest:

Bonds	\$ 28,740.61	
Mortgages (net*)	4,220.20	
Francis Weld Peabody Loan Fund	33.00	
		\$ 32,993.81

Dividends 28,616.50

Real estate (net†) 3,991.28

\$ 65,601.59

Less: Adjustment of Income Allocated to Special Funds 1,288.54

Total Income from Endowment Funds for General Purposes

\$ 64,313.05

Deduct: Treasurer's office expenses:

Salaries	\$ 1,191.83	
Bookkeeping	1,200.00	
Securities custodian	498.49	
Annual audit	700.00	
Sundry	1,025.60	
		4,615.92

Income from Endowment Funds Available for Hospital Operations

\$ 59,697.13

Deduct: Deficit from Hospital Operations:

Hospital expenses	\$607,409.61	
Hospital revenue	319,745.06	
		287,664.55

Net Deficit Before Donations for General Operating Purposes

\$227,967.42

Deduct: Donations for general operating purposes:

Community Federation of Boston.....	\$144,548.00	
Miscellaneous	2,916.80	
		147,464.80

Net deficit for year \$ 80,502.62

* After deduction of charges for collection, management, and miscellaneous (\$1,118.29).

† After deduction of real estate taxes (\$70,015.89) and charges for maintenance and upkeep (\$18,300.26), insurance (\$5,950.45), wages (\$6,191.00), management (\$5,441.87), and heat, light, water and miscellaneous (\$11,403.07).

REPORT OF THE TREASURER

Schedule B

BALANCE SHEET AS OF DECEMBER 31, 1938

ASSETS

Cash:

Superintendent's Fund	\$ 20,000.00	
General Fund	44,858.41	
Special Fund	500.00	
		\$ 65,358.41

Investments of General and Special Endowment

Funds (at cost or appraised values) :

Real estate	\$675,000.00	
Mortgages	59,300.00	
Bonds	525,048.27	
Stocks	748,168.90	
Miscellaneous securities	15,000.00	
		2,022,517.17

Hospital Plant, etc.:

Land, buildings, furniture and equipment.....	\$2,294,432.40	
Supplies	35,699.72	
		2,330,132.12

Total assets		\$4,418,007.70

LIABILITIES AND FUNDS

Accounts Payable—City of Boston real estate taxes on investment real estate for years 1934, 1935, 1936 and 1937 pending appeal	\$ 67,999.73
--	--------------

Endowment Funds:

Hospital plant, etc.	\$2,350,132.12	
General purposes	\$1,801,346.33	
Special purposes	197,147.38	
		1,998,493.71
		4,348,625.83

Miscellaneous—Unexpended income and gifts	1,382.14
---	----------

Total liabilities and funds		\$4,418,007.70

PETER BENT BRIGHAM HOSPITAL

Schedule C

SUMMARY OF CHANGES IN GENERAL ENDOWMENT FUNDS

For the Year Ended December 31, 1938

<i>Balance, January 1, 1938</i>			\$6,368,990.23
<i>Additions—General Endowment Funds:</i>			
Profit on sale of securities	\$	7,136.89	
Special fund accounts expended in prior years transferred:			
Hemenway squash court... \$	11,050.00		
Radium Fund	3,000.00		
			14,050.00
Reserve accounts transferred:			
Depreciation of real estate.. \$	105,439.10		
Portland Street Power Plant	4,076.00		
Sprinkler leakage and fire loss	3,083.55		
			112,598.65
Reimbursement from Godfrey Hyams Trust for equipment purchased in 1937.....		735.00	
Partial recovery of advance (made in 1934) in connection with investment real estate		602.46	
			135,123.00
			<u>\$6,504,113.23</u>
<i>Deductions—General endowment funds:</i>			
Revaluations of real estate	To conform to estimated realizable values	{	\$1,267,564.42
Revaluations of mortgages			34,092.67
Revaluations of stocks			101,920.25
Revaluations of miscellaneous securities			461,106.58
Loss on sale of securities			47,245.57
Loss on sale of mortgages			16,479.38
Loss on sale of real estate			343,450.56
Miscellaneous			272.73
Net deficit for the year 1938			80,502.62
			<u>2,352,634.78</u>
<i>Balance, December 31, 1938</i>			<u><u>\$4,151,478.45</u></u>

REPORT OF THE TREASURER

Schedule D
As of December 31, 1938

SPECIAL FUNDS

(Includes Free Bed Funds listed on Earlier page)

	Principal	Unexpended Income
Alexander Cochrane Free Bed	\$ 10,000.00	.....
Carrie M. Hall Free Bed (Alumnæ Association of the Peter Bent Brigham Hospital School of Nursing)	9,000.00	
Henry Saltonstall Howe Free Bed	5,000.00	.....
Walter Hunnewell Free Bed	10,000.00	.....
Aimee Lamb Free Bed (In Memory of Mrs. Winthrop Sargent)	5,000.00	.....
Theodore Lyman Free Bed	900.00	.....
Free Bed in Memory of D. W.	10,000.00	.....
Free Bed in Memory of E. S. B.	10,000.00	.....
M. R. A. Free Bed	900.00	.....
W. A. Free Bed	10,000.00	.....
Harvey Cushing Surgical Endowment Fund..	500.00	.....
Harvey Cushing Fellowship	33,573.44	\$ 1,112.10
Francis Weld Peabody Loan	1,608.29	.....
Research in Renal and Vascular Disease	1,199.17	.....
John P. Reynolds Medal	1,000.00	40.00
John P. Reynolds Scholarship	2,500.00	176.85
Surgical dressings	10,000.00	.....
Henry Clay Jackson	58,000.00	.....
Surgeon-in-Chief Fund	4,846.62	.....
Roentgenological Fund	155.75	.....
Godfrey M. Hyams Trust	15.00	.....
Pernicious Anemia Fund	100.00	.....
W. Amory Fund for School of Nursing	12,849.11	.....
Total	<u>\$197,147.38</u>	<u>\$ 1,328.95</u>
<i>Summary:</i>		
Principal		\$197,147.38
Unexpended income	\$ 1,328.95	
Unexpended gifts (net)	53.19	
	<u> </u>	1,382.14
		<u>\$198,529.52</u>

RIPLEY L. DANA, *Treasurer*,
ROBERT CUTLER, *Assistant Treasurer*.

Report of the Superintendent

THIS is the twenty-fifth report of the Superintendent, covering the year 1938.

There were admitted to the wards 4,584 patients, compared with 4,714 last year. The number of days' care was 70,107—408 less than in 1937. The average bed occupancy was 77—%, a fraction of 1% less than last year. The average stay per patient was 15+ days as compared with 15— days in 1937. The percentage of free patients was 46— in 1937, 49— this year. The per capita cost, based on the total expenditures (excepting the Out-Door Department) was \$7.77+ a day as compared with \$7.35 last year. Deducting the cost of operating the private ward and the Out-Door Department, the per capita cost was \$5.95+. It was \$6.77 in 1937. In the Out-Door Department, the number of new patients treated was 6,552. Last year it was 6,582. The total number of visits was 84,365—3,190 more than last year.

The daily per capita cost for provisions for all persons fed averaged \$.41+, a decrease over last year of \$.03—.

The total operating expenses for the year were \$607,794.53, and the receipts from patients \$319,745.06. The difference, \$288,049.47, represents the amount of free service to the indigent sick of Suffolk County, to serve whom the Hospital was founded.

We wish here to record our thanks to all who contributed to the Community Federation, which has become so important—a really vital part in the life of the social agencies of the community. We wish to record again the fact that no patient resident in Suffolk County has ever been refused admission because of inability to pay.

The personnel of the Dietary Department remains unchanged from last year. Six students completed the

REPORT OF THE SUPERINTENDENT

ten months' course during the year. This course of training has now been extended to one year in order to give the students more work in private ward service. The total special diet days for the year 1938 were 12,251, as compared with 14,150 last year. The outstanding diets were: Diabetic, 2,814; High Caloric-High Vitamin, 3,664; High Carbohydrate-Low Fat, 1,355; Low Residue, 1,118. 2,062 special extra diets were served.

The Gray Lady Service of the American Red Cross has continued to be very helpful in taking charge of the Patients' Library and in furnishing us helpers in the Orthopedic, Otolaryngological, Arthritic, and Gastro-Intestinal Clinics, also in making supplies. This service, through twenty-two individuals, gave a total of 3,467 hours of service to the Hospital. There were distributed from the Patients' Library during the year 7,901 books and magazines. During the year, 419 books were contributed by various individuals of which 235 were donated by Miss Mary Clapp, 36 by Miss Eleanor Chase, 31 by Miss Louise Fitz, 18 by Miss Caulfield, 15 by Dr. O'Hare, and the others from many different individuals. In addition to the library and clinic service, the Red Cross made up 96,190 surgical dressings.

It has been customary to have a reunion of the alumni of the Hospital every five years. This year marked the twenty-fifth anniversary of the opening of the Hospital, and the Trustees made it a notable occasion. The clinical programs, similar to those of other reunion meetings, were held on Thursday, May 5, Friday, May 6, and Saturday morning, May 7, as follows:

THURSDAY, MAY 5, 1938

8.30-10.20 Surgical Operations and Demonstrations by Members of the Staff. For details see Bulletin Board.

9.20-10.20 Staff Rounds in Medicine on Ward E Main.

PETER BENT BRIGHAM HOSPITAL

Large Amphitheater—ROBERT T. MONROE, *Physician,*
P. B. B. H., presiding

- 10.30 Welcome. Elliott C. Cutler, *Surgeon-in-Chief.*
- 10.40 Experimental Studies Concerning the Mechanism of Renal Hypertension. Tinsley R. Harrison, Assoc. Prof. of Med., Vanderbilt Univ.; *Med. H. O., P. B. B. H., 1922-24; Asst. Res. Phys., 1924.*
- 10.50 The Surgical Management of Chronic Intractable Ulcerative Colitis. Howard A. Patterson, Chief, Surg. O. P. D. and Assoc. Surg., Roosevelt Hosp., New York; *Asst. Res. Surg., P. B. B. H., 1928.*
- 11.00 A Newly Developed Sigmoidoscope and Sigmoidoscopic Camera. Charles W. McClure, Jr. Visit. Phys., Boston City Hosp.; *Asst. Res. Phys., P. B. B. H., 1916; Assoc. in Med., 1919-21.*
- 11.10 Conservative Treatment of Appendicitis. Edwin P. Lehman, Prof. of Surg. and Gyn., Univ. of Va.; *Surg. H. O., P. B. B. H., 1914-15.*
- 11.20 Some Roentgen-ray Observations of Gastric Motility. Ross Golden, Prof. of Radiology, Columbia Univ.; *Med. H. O., P. B. B. H., 1916-17; Asst. Res. Phys., 1921-22.*
- 11.40 The Management of the Nephrotic Syndrome. Samuel A. Shelburne, Instructor in Med., Baylor Univ. Med. Sch., Dallas, Tex.; *Asst. Res. Phys., P. B. B. H., 1929-30.*
- 11.50 Stone in the Lower Ureter; A Critical Analysis of 225 Consecutive Cases. Vincent J. O'Connor, Assoc. Prof. G. U. Surg., Univ. of Ill. Sch. of Med.; *Surg. H. O., P. B. B. H., 1917-18; Asst. Res. Surg., 1919-20.*
- 12.00 Medical Social Service as Liaison for Hospital and Public Welfare. Mrs. Gerna Walker, A.B., B.S., *Social Worker, Psychiatric Clinic, P. B. B. H.*
- 12.10 The Pathogenesis of Diabetes Mellitus. John M. Flynn, *Med. H. O., P. B. B. H., 1927-29; Jr. Assoc. in Med., 1930-36; Assoc. in Med.*

REPORT OF THE SUPERINTENDENT

- 12.20 Nephrostomy—Indications and Technique. Roger C. Graves, Urologist, Carney Hosp., Boston; *Surg. H. O., P. B. B. H., 1918-19; Asst. Res. Surg., 1920-21; Assoc. in Surg., 1921-23.*
- 12.30 Experience with Long-acting Insulin in Ambulatory Patients. Richard D. Friedlander, Instructor in Med., Univ. of Calif. Med. Sch.; *Asst. Res. Phys., P. B. B. H., 1932-34.*
- 12.40 Electrocardiographic Studies of Congenital Heart Disease. Maurice A. Schnitker, Asst. in Med., Harvard; *Med. H. O., P. B. B. H., 1932-33; Asst. Res. Phys., 1933-36; Resident Physician.*
- 12.50 Highlights in Nursing in the Last Quarter Century. Carrie M. Hall, R.N., *First Principal of School of Nursing and Supt. of Nurses, P. B. B. H., Boston, Mass., 1912-37.*

Small Amphitheater—ELSIE ASHMEAD, President of the
Alumnæ Association of School of Nursing of
Peter Bent Brigham Hospital,
presiding

- 10.30–10.45 Student Programs at the Brigham. Lucy H. Beal, B.S., R.N., Principal of the School of Nursing and Supt. of Nurses, P. B. B. H.; *Grad., P. B. B. H., 1919; Head Nurse, 1920; Medical Supervisor, 1922-27.*
- 10.45–11.00 Nursing without Patients. Martha O. Sayles, B.S., R.N., Asst. Secy. of Mass. State Nurses' Association; *Grad., P. B. B. H., 1929; Science Instructor, 1931-35.*
- 11.00–11.15 The Utilization in General Nursing of the Principles Taught in a Psychiatric Affiliation. Evelyn H. Pettee, B.S., R.N., Educational Director, Worcester State Hospital, Worcester, Mass.; *Grad., P. B. B. H., 1930.*
- 11.15–11.30 The Integration of Mental Hygiene in Nursing Case Studies. Margaret Leavitt, B.S., M.S.S., R.N., Mental Hygiene Supervisor, Visiting Nurse Association, Elizabeth, N. J.; *Grad., P. B. B. H., 1915; Head Nurse, 1916-17.*

PETER BENT BRIGHAM HOSPITAL

- 11.30-11.45 The First Catholic School of Nursing in the New England States. Sister Louise, M.A., R.N., Principal of the School of Nursing and Supt. of Nurses, Carney Hospital, Boston, Mass.; *Grad., P. B. B. H., 1924; Head Nurse, 1926.*
- 11.45-12.00 Private Duty Nursing in the Home. Margaret G. Callahan, R.N., *Grad., P. B. B. H., 1931.*
- 12.00-12.15 Reminiscences. Sally Johnson, B.S., R.N., Principal of the Training School for Nurses and Superintendent of Nurses, Mass. General Hospital, Boston; *Practical Instructor of Nurses and Matron Nurses' Home, P. B. B. H., 1912; Asst. Supt. of Nurses, 1913-16.*
- 12.30- 2.00 Luncheon at the P. B. B. H.

*Large Amphitheater, JOHN HOMANS, Surgeon, P. B. B. H.,
presiding*

- 2.10 The Incidence of Heberden's Nodes. Robert M. Stecher, Sr. Clin. Instructor in Med., Western Reserve Univ. Med. Sch., Cleveland; *Med. H. O., P. B. B. H., 1924-25.*
- 2.20 The Vaginal Approach for Prolapse Repair. John Fallon, Surg., St. Vincent's Hosp., Worcester, Mass.; *Surg. H. O., P. B. B. H., 1925-26.*
- 2.30 Sodium Bismuthyl Citrate, A Water-soluble Bismuth: Clinical Evaluation. Francis M. Thurmon, Phys.-in-Chief, Clin. of Dermatology and Syphilis, Boston Dispensary; *Asst. Res. Phys., P. B. B. H., 1929-30.*
- 2.40 Advances in the Sterilization of Surgical Supplies. Carl W. Walter, *Surg. H. O., P. B. B. H., 1933-34; Harvey Cushing Fellow, 1934-35; Jr. Assoc. in Surg., 1935-36; Asst. Res. Surg.*
- 2.50 Present Trends in Nursing. Agnes Gelinas, M.A., R.N., Professor of Nursing, Skidmore College; *Grad., P. B. B. H., 1920; Head Nurse, 1921.*
- 3.00 The Effect of Cardiac Hypertrophy Upon the Efficiency of the Heart. Joseph T. Wearn, Prof. of Med., Western Reserve Univ. Hosp.;

REPORT OF THE SUPERINTENDENT

- Med. H. O., P. B. B. H., 1917-18; Asst. Res. Phys., 1919-21.*
- 3.10 Dural Sinus Thrombosis as an Etiological Factor in Certain Instances of Acquired Cerebral Degeneration in Childhood. Orville T. Bailey, Junior Fellow (Soc. of Fellows), Harvard; *Path. H. O., P. B. B. H., 1933-34; Res. Pathol., 1935-37*; and George M. Hass, Instructor in Path., Harvard; *Res. Pathol., P. B. B. H., 1932-34.*
- 3.20 Changes with Age in the Vital Capacity in Normal Adult Men. William H. Lewis, Jr., Asst. Clin. Prof. of Med., New York Univ. College of Med.; *Med. H. O., P. B. B. H., 1927-28.*
- 3.30 Management of Sudden Arterial Occlusion in the Extremities. Louis G. Herrmann, Asst. Prof. of Surg., Univ. of Cincinnati; *Med. H. O., P. B. B. H., 1925-26.*
- 3.40 Pressure Relations in Heart Disease. W. Groce Harrison, Birmingham, Ala.; *Med. H. O., P. B. B. H., 1929-30.*
- 3.50 Bilateral Pleural Effusion. Burgess Gordon, Assoc. Prof. of Med., Jefferson Med. Sch., Phila.; *Asst. Res. Phys., P. B. B. H., 1921-22; Res. Phys., 1922-25.*
- 4.00 Neuropathic Pulmonary Edema in Man. Sidney Farber, Pathol., Children's Hosp., Boston; *Pathol. H. O., P. B. B. H., 1927.*
- 4.10 Alcohol Tolerance Tests in Diabetes Insipidus and Mellitus. Harry Blotner, Asst. in Med., Harvard; *Asst. Res. Phys., P. B. B. H., 1925-26; Jr. Assoc. in Med., 1926-33; Assoc. in Med.*
- 4.20 Studies of Experimental Hypertrophy of Heart. George R. Herrmann, Prof. of Clin. Med., Univ. of Texas; *Med. H. O., P. B. B. H., 1918-19.*
- 4.30 Recent Studies on Anti-pellagric Vitamin. Tom D. Spies, Assoc. Prof. of Med., Univ. of Cincinnati; *Pathol. H. O., P. B. B. H., 1928.*
- A Preparation of Anti-hormone Specific for the Human Pituitary Gonadotropic Hormone.

PETER BENT BRIGHAM HOSPITAL

- Kenneth W. Thompson, Coxé Fellow, Yale; Assoc. Surg., New Haven Hosp.; *Surg. H. O., P. B. B. H., 1930-31; Peters Traveling Fellow, 1933-34; Res. Surg., 1934-35.*
- 4.40 Report on Five Years' Experience on "Aspirations of a Senile Adventurer in a New Field." Channing Frothingham, Physician-in-Chief, Foulkner Hosp., Jamaica Plain; *Phys., P. B. B. H., 1912-32; Consult. Phys.*
- 4.50 Case Number 3. John Homans, Clin. Prof. Surg., Harvard; *Surgeon, P. B. B. H.*
Case Number 4, Patient Present.
- Small Amphitheater*—HELEN L. AIKINS, First Vice-President of Alumnæ Association of School of Nursing.
P. B. B. H., *presiding*
- 2.30– 2.45 The Need of the Patient for Health Teaching. Carrie Daniels, R.N., Supervisor, Community Health Association, Boston, Mass.; *Grad., P. B. B. H., 1925.*
- 3.00– 3.15 Preventive Tuberculosis Work in Essex County. Vera Griffin, R.N., Executive Secretary, Essex County Health Association, Inc.; *Grad., P. B. B. H., 1927; Night Supervisor, 1929-30.*
- 3.15– 3.30 Hay Fever, A Disease of Civilization. Mrs. Regina Sunstrom Ahlgren, R.N., *Grad., P. B. B. H., 1925.*
- 3.30– 3.45 Staff Education at Long Island College Hospital. Anna G. McKeon, B.S., R.N., Principal of the School of Nursing and Supt. of Nurses, Long Island College Hospital, Brooklyn, N. Y.; *Grad., P. B. B. H., 1916; General Duty, O. D. D., 1917; Head Nurse, 1918; Night Supervisor, 1919-20; Surgical Supervisor, 1921.*
- 3.45– 4.00 New Methods of Teaching Applied to Anatomy and Physiology. Mary D. Burr, B.S., R.N., Educational Director of Lincoln School for Nurses, New York City; *Grad., P. B. B. H., 1918; Relief Head Nurse, 1925-26.*
- 4.00– 4.15 A Report on the Endowment Fund for the School of Nursing. Mary C. Gilmore, B.S., R.N.,

REPORT OF THE SUPERINTENDENT

Principal of the School of Nursing and Supt. of Nurses, Beth Israel Hosp., Boston; *Grad., P. B. B. H., 1920; Head Nurse, 1922; Night Supervisor, 1923-25; Surgical Supervisor, 1925-28; Asst. Supt. of Nurses, 1928-36.*

Recommendations for Future Administration of the Endowment Fund. Agnes Gelinas, M.A., R.N., Professor of Nursing, Skidmore College; *Grad., P. B. B. H., 1920; Head Nurse, 1921.*

- 4.15– 4.30 Finale. Carrie M. Hall, R.N., First Principal of the School of Nursing and Supt. of Nurses; *P. B. B. H., 1912-37.*
- 4.30– 6.00 Tea on the Lawn, Peter Bent Brigham Hospital, served by Alumnæ, School of Nursing.
- 6.30 Dinner at the Peter Bent Brigham Hospital.
- 8.00 Entertainment by Nurses and Resident Staff, Amphitheater, Peter Bent Brigham Hospital.

FRIDAY, MAY 6, 1938

- 8.30–10.20 Surgical Operations and Demonstrations by Members of the Staff. For details see Bulletin Board.
- 9.20–10.20 Staff Rounds in Medicine, Wards E2 and F2 (beginning on Ward E2).

Large Amphitheater—MARSHALL N. FULTON, *Physician, P. B. B. H., presiding*

- 10.30 Hips. M. N. Smith-Petersen, Clinical Professor of Orthopedics, Harvard; *Surg. H. O., P. B. B. H., 1914-15.*
- 10.40 Fields in Which Graduates of the School of Nursing are Now Engaged. Mary C. Gilmore, B.S., R.N., Principal of the School of Nursing and Supt. of Nurses, Beth Israel Hosp., Boston; *Grad., P. B. B. H., 1920; Head Nurse, 1922; Night Supervisor, 1923-25; Surgical Supervisor, 1925-28; Asst. Supt. of Nurses, 1928-36.*
- 10.50 An Ambulatory Method of Treating a Fractured Patella. Hilbert F. Day, Senior Visiting Sur-

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- geon, Cambridge Hospital, Cambridge, Mass.; *Assoc. in Surgery, P. B. B. H., 1914-33.*
- 11.00 Today's Trends in Public Health. Reginald M. Atwater, Executive Secretary, American Public Health Association, New York; *Med. H. O., P. B. B. H., 1918-19.*
- 11.10 Syphilitic Hepatitis with Jaundice; Treatment with Neoarsphenamine; Case Report. Leroy E. Parkins, Boston, Mass.; *Surg. H. O., P. B. B. H., 1918-20; Second Asst. Supt., 1921; First Asst. Supt., 1921-23.*
- 11.20 The Work of the Federal Food and Drug Administration. Theodore G. Klumpp, Chief Medical Officer, U. S. Food and Drug Administration; *Med. H. O., P. B. B. H., 1929-30.*
- 11.30 An Experimental Study of Surgical Technique. Philip Shambaugh, Clin. Asst. in Surg., Northwestern Univ. Med. School, Chicago; *Med. H. O., P. B. B. H., 1930-32; Surg. H. O., 1932-33; Jr. Assoc. in Surg., 1933-34; Asst. Res. Surg., 1934-35; Harvey Cushing Fellow, 1935-36.*
- 11.50 Modern Anesthesia. Frank W. Marvin, Head, Dept. of Anesthesia, Tufts Med. Sch., Boston; *Surg. H. O., P. B. B. H., 1915-16.*
- 12.00 The Clinical Differential Diagnosis of Simmonds' Disease. Roberto F. Escamilla, Instructor in Medicine, Univ. of Calif., San Francisco; *Med. H. O., P. B. B. H., 1931-33.*
- 12.10 Mutilating Injuries Caused by a Rotary Saw. John H. Powers, Assoc. Surg., Mary Imogene Basset Hosp., Cooperstown, N. Y.; *Asst. Res. Surg., P. B. B. H., 1926-27; Assoc. in Surg., 1927-28; Res. Surg., 1928-30.*
- 12.20 Observations of Surface Temperatures in Hyperthyroidism and Myxedema. Charles L. Brown, Prof. of Med., Temple Univ. Sch. of Med., Philadelphia; *Med. H. O., P. B. B. H., 1922-23; Res. Path., 1924-25; Res. Phys., 1925-27; Jr. Assoc. in Med., 1927-28.*

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- 12.30 Facial Paralysis from an Otolaryngological Standpoint. Samuel Cline, Clin. Asst. in Otolaryngology, Mass. Eye and Ear Infirm., Boston; *Jr. Assoc. in Otolaryngology, P. B. B. H.* Studies on Experimental Arteriovenous Fistula Between Renal Artery and Vein. Frank Glenn, Assoc. in Surg., Cornell Med. College, N. Y.; *Surg. H. O., 1929-30; Asst. Res. Surg., 1930-31; Interim Res. Surg., 1931.*
- 12.40 Is the Potassium Tolerance Test a Diagnostic Criteria for Addison's Disease? James A. Greene, Assoc. Prof. of Med., Univ. of Iowa, Iowa City, Iowa; *Med. H. O., P. B. B. H., 1925-26.*
- 12.50 The Treatment of Fractures of the Neck of the Femur; A Method of Internal Fixation by Means of a Simplified Drill. Richard E. Alt, Beverly, Mass.; *Fellow in Urology, P. B. B. H., 1933-35.*
- 12.30- 2.00 Luncheon at the P. B. B. H.
- Large Amphitheater*—DAVID CHEEVER, *Surgeon, P. B. B. H., presiding*
- 2.00 Study of Tissue Pressure in Allergic Reactions. Warren T. Vaughan, Richmond, Va.; *Med. H. O., P. B. B. H., 1916-17.*
- 2.10 The Demonstration of a Growth-stimulating Substance from Tarred Precancerous Epithelial Tissues of Mice. John J. Morton, Prof. of Surg., Rochester Univ. Sch. of Med., Rochester, N. Y.; *Surg. H. O., P. B. B. H., 1913-14.*
- 2.20 The School of Today for the Nurse of Tomorrow. Lucy H. Beal, B.S., R.N., Principal of the School of Nursing and Supt. of Nurses, Peter Bent Brigham Hospital; *Grad., P. B. B. H., 1919; Head Nurse, 1920; Medical Supervisor, 1922-27.*
- 2.30 Future Pharmacology. Paul D. Lamson, Prof. of Pharm., Vanderbilt Univ. Sch. of Med., Nashville, Tenn.; *Asst. Res. Phys., P. B. B. H., 1913-14.*

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- 2.40 Some Experiences in Teaching Pediatrics. James R. Wilson, Asst. Prof. of Pediatrics, Syracuse Univ. Med. Sch., Syracuse, N. Y.; *Res. Path., P. B. B. H., 1923-24.*
- 2.50 The Place of the Health Center in the Teaching of Preventive Medicine. Wilson G. Smillie, Director, Dept. of Public Health and Prev. Med., Cornell Univ. Med. Sch., New York City; *Med. H. O., P. B. B. H., 1912-14; Asst. Res. Phys., 1914.*
- 3.00 Cardiac Involvement in Idiopathic Hemorrhagic Sarcoma (Kaposi's Disease). G. Louis Weller, Jr., Clin. Instructor in Med., George Washington Univ., Washington, D. C.; *Med. H. O., P. B. B. H., 1932-34.*
- 3.10 The Prognosis of Lymphoblastoma as Indicated by the Response to X-ray Therapy. John R. Carty, Assoc. Roent., Cornell Univ. Med. Sch., New York City; *X-ray H. O., P. B. B. H., 1923-24.*
- 3.20 X-ray Pneumonitis or the Deleterious Effects of Deep X-radiation on Lung Structure and Function. Victor C. Jacobsen, *Assoc. Prof. of Med., Albany Med. College, Albany, N. Y.; Med. H. O., P. B. B. H., 1917-18; Path. H. O., 1919; Res. Path., 1919-21.*
- 3.30 Lecture and Clinic; Teacher and Student. David Cheever, Assoc. Prof. of Surg., Harvard; *Surgeon, P. B. B. H.*
- 3.40 Orthopedic Surgery at the P. B. B. H. Frank Ober, Clin. Prof. of Orthopedic Surg., Harvard; *Consultant in Orthopedic Surg., P. B. B. H.*
- 4.00 From the Family Album. Reginald Fitz, Wade Prof. of Med., Boston Univ. Sch. of Med., Boston; *Med. H. O., P. B. B. H., 1912-13; Asst. Res. Phys., 1913-15; Physician, 1922-36; Consulting Physician.*
- 4.10 What is Angina Pectoris? Samuel A. Levine, Asst. Prof. of Med., Harvard; *Assoc. in Med.,*

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- P. B. B. H.*, 1914-15; *Med. H. O.*, 1915-16; *Assoc. in Med.*, 1919-28; *Sr. Assoc. in Med.*
- 4.20 Judging the Adequacy of Diets. Gertrude McDonald, *Dietitian, P. B. B. H.*
- 4.30 Duplications of the Alimentary Tract. William E. Ladd, Chief Surgeon, Children's Hospital; Clin. Prof. of Surg., Harvard; *Consultant in Surg., P. B. B. H.* Read by Robert E. Gross, Res. Surg., Children's Hospital; *Asst. Res. Surg., P. B. B. H.*, 1935-37.
- 4.40 Recurrent and Persistent Hyperthyroidism Following Thyroidectomy. Marshall N. Fulton, Associate in Med., Harvard; *Med. H. O., P. B. B. H.*, 1926-27; *Asst. Res. Phys.*, 1927-29; *Res. Phys.*, 1929-31; *Jr. Assoc. in Med.*, 1931-34; *Physician.*
- 4.50 Experience with Tumors of the Apex of the Chest Producing Symptoms of Superior Pulmonary Sulcus Tumors of Pancoast. Bronson S. Ray, Res. Surg., New York Hosp.; *Surg. H. O., P. B. B. H.*, 1930-31; *Asst. Res. Surg.*, 1931-32.
- 5.00 Cyanate Therapy in Hypertensive Vascular Disease. James P. O'Hare, Asst. Prof. of Med., Harvard; *Assoc. in Med., P. B. B. H.*, 1915-28; *Sr. Assoc. in Med.*; Edward Massie, *Asst. Res. Phys., P. B. B. H.*; and Roger W. Robinson, *Asst. Res. Phys., P. B. B. H.*

Small Amphitheater—MARION SHOEMAKER, Second Vice-President of Alumnæ Association, School of Nursing, *P. B. B. H.*, *presiding*

- 2.00– 2.30 Nursing Clinic on the Care of Cardiac Patients. Frances M. Daggett, R.N., Medical Supervisor, Peter Bent Brigham Hospital; *Grad., P. B. B. H.*, 1929; *Head Nurse*, 1929; *Night Supervisor*, 1929-32; *Medical Supervisor*, 1932-.
- 2.30– 3.30 Presentation of Revised Procedures in Nursing. Bernice J. Sinclair, R.N., Instructor of Nursing Arts, Peter Bent Brigham Hospital; *Grad.*,

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P. B. B. H., 1924; Night Supervisor, 1925-26; Instructor in Nursing, 1929-.

- 3.30- 4.00 Teaching Projects in the Out-Patient Department. Helen L. Aikins, R.N., Supervisor of Out-Door Department, Peter Bent Brigham Hospital; *Grad., P. B. B. H., 1930; Head Nurse, 1931; Asst. Night Supervisor, 1932-33; Head Nurse, 1934-35; Surgical Supervisor, 1936-37; Supervisor O. D. D., 1937-.*
- 4.30- 6.00 Tea on the Lawn, P. B. B. H., served by Alumnæ, School of Nursing.
- 7.00- 9.00 Dinner at Vanderbilt Hall, H. M. S.
- 9.00- 1.00 Dance at Longwood Towers, Longwood Avenue and Chapel Street—five minutes' walk from Vanderbilt Hall.

SATURDAY, MAY 7, 1938

- 8.30-10.20 Surgical Operations and Demonstrations by Members of the Staff. For details see Bulletin Board.
- 9.20-10.20 Staff Rounds in Medicine on Ward F Main.

Large Amphitheater—C. SIDNEY BURWELL, Physician, P. B. B. H., presiding

- 10.30 The Rôle of Psychiatry in Secondary Schools and Colleges. John A. P. Millet, Fellow in Psychiatry, Cornell Univ. Med. Sch., New York City; *Med. H. O., P. B. B. H., 1914-16.*
- 10.40 Neuralgias of the Head and Face Encountered in the Practice of Otolaryngology. Harris H. Vail, Asst. in Otolaryngology, Univ. of Cincinnati, Cincinnati; *Surg. H. O., P. B. B. H., 1916-17.*
- 10.50 The Rôle of the Nurse in the Program for the Control of Gonorrhea and Syphilis. Marion Hampton, R.N., Epidemiologist, Mass. State Dept. of Public Health; *Grad., P. B. B. H., 1931.*

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- 11.00 Physiological Concomitants of Behavior Disorders. Charles B. Thompson, Psychiatrist, Bellevue Hosp., New York; *Med. H. O., P. B. B. H., 1913-14.*
- 11.10 Anxiety Neurosis; Description of the Syndrome and Differential Diagnosis from Angina Pectoris and Hyperthyroidism. Stanley Cobb, Bullard Professor of Neuropathol., Harvard; *Surg. H. O., P. B. B. H., 1914-15.*
- 11.20 The Patient *versus* the Medical History. Henry B. Richardson, Assoc. Prof. of Med., Cornell Univ. Med. Sch., New York; *Med. H. O., P. B. B. H., 1915-16.*
- 11.30– 1.00 Public Exercises in Space Between Administration Building of Peter Bent Brigham Hospital and Harvard Medical School. There will be a separate program for these exercises.
- 1.00– 2.00 Luncheon at the P. B. B. H.
- 2.00 Group picture.

Large Amphitheater—MERRILL C. SOSMAN, *Roentgenologist,*
P. B. B. H., presiding

Saturday

- 2.00 The Nature of the Antipernicious Anemia Principle in the Stomach. E. A. Greenspon, Attend. Phys., Montreal General Hosp., Montreal; *Res. Path., P. B. B. H., 1919-20; Med. H. O., 1920-21.*
- 2.10 Studies on Ascorbic Acid Metabolism. Michel Pijoan, *Harvey Cushing Fellow, P. B. B. H.*
- 2.20 Iron-ascorbate in the Treatment of Anemia. Dale G. Friend, Research Fellow in Biol. Chem. and Med., Harvard; *Med. H. O., P. B. B. H., 1935-36; Asst. Res. Phys., 1936-37.*
- 2.30 Shock Therapy in the Neuroses. James Sagebiel, Senior in Neuro-psychiatry and Jr. in Neurosurg., Miami Valley Hosp., Dayton, Ohio; *Surg. H. O., P. B. B. H., 1927-29.*
- 2.40 Polycythæmia Vera, with Special Reference to the Nervous Manifestations. Leyland J. Adams, Assoc. in Med., Montreal General

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- Hosp., Montreal; *Asst. Res. Phys.*, *P. B. B. H.*, 1930-32.
- 3.30 Encephalitis Lethargica and Its Discoverer. Ramsay Spillman, Assoc. Roent., Hospital for Ruptured and Crippled, New York; *Surg. H. O.*, *P. B. B. H.*, 1917-18.
- 3.20 Experiences with Hypoglycemia and Induced Convulsions in the Treatment of the Psychoses. Richard H. Young, Instructor in Neurology and Psychiatry, Univ. of Nebraska; *Med. H. O.*, *P. B. B. H.*, 1930-31.
- 3.30 The Total Extirpation of Acoustic Neuromas. Gilbert Horrax, In Charge of Neuro-surg., the Lahey Clinic, Boston; *Surg. H. O.*, *P. B. B. H.*, 1913-14; *Asst. Res. Surg.*, 1915-16; *Assoc. in Neurol. Surg.*, 1919-28; *Sr. Assoc. in Neurol. Surg.*, 1928-32.
- 3.40 Congenital Aphasias. Paul Dozier, Asst. Phys., Inst. of Pa. Hosp., Phila.; *Med. H. O.*, *P. B. B. H.*, 1929-31.
- 3.50 Relief of Unilateral Paralysis Agitans by Section of the Pyramidal Tract. Tracy J. Putnam, Prof. of Neurology, Harvard; *Asst. Res. Surg.*, *P. B. B. H.*, 1925-28.
- 4.00 Neurological Changes in Delayed Post-anesthetic Death. Donald E. Dial, Res. in Orthopedics, New Haven Hosp.; *Surg. H. O.*, *P. B. B. H.*, 1930-31.
- 4.20 The Entrance of Proteins into Joints and Certain Other Body Cavities. G. A. Bennett, Asst. Prof. of Path., Harvard; *Res. Pathol.*, *P. B. B. H.*, 1927-29; and Morris F. Shaffer, Asst. in Bact., Harvard.
- 4.30 The Treatment of Hemorrhage from Peptic Ulcer. Robert T. Monroe, Assoc. in Med., Harvard; *Med. H. O.*, *P. B. B. H.*, 1924-25; *Asst. Res. Phys.*, 1925-26; *Jr. Assoc. in Med.*, 1926-32; *Assoc. in Med.*, 1932-36; *Physician*.
- 4.40 The Migration of Inorganic Salts in Bones and Teeth. J. C. Aub, Assoc. Prof. of Med., Harvard; *Sr. Assoc. Phys.*, *P. B. B. H.*

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- 4.50 The Study of a Patient with Constrictive Pericarditis Before and After Treatment by Operation. C. S. Burwell, Dean of Faculty of Med. and Research Prof. Clin. Med., Harvard; *Physician, P. B. B. H.*
- 5.00 Foreword and Forward. Henry A. Christian, *Physician-in-Chief.*
- 6.00 Dinners to Visiting Alumnæ and Alumni by Members of the Staff and Resident Alumnæ and Alumni.

On Saturday, the members of the Board of Trustees of the Hospital arranged a public ceremony which was held under a large marquee stretched from the Shattuck Street entrance of the Hospital to the Harvard Medical School across the street. It was estimated that about 900 people attended the ceremony which was broadcast both here and abroad over short wave station W1XAL. Mr. Amory presided, and the program of speakers was as follows:

PROGRAM FOR THE PUBLIC CEREMONY

INVOCATION

Rt. Rev. WILLIAM LAWRENCE, D.D.
Bishop Emeritus of the Episcopal Diocese of Massachusetts

GREETINGS FROM THE COMMONWEALTH OF MASSACHUSETTS

His Excellency CHARLES F. HURLEY
Governor of the Commonwealth

GREETINGS FROM THE CITY OF BOSTON

His Honor MAURICE J. TOBIN
Mayor of Boston

GREETINGS

Dr. DEAN LEWIS
Surgeon-in-Chief, Johns Hopkins Hospital, Professor of Surgery,
The School of Medicine, Johns Hopkins University, and
First Surgeon-in-Chief *Pro Tempore* of Peter Bent Brigham Hospital

REMARKS

President JAMES B. CONANT
Harvard University

PETER BENT BRIGHAM HOSPITAL

"A HOSPITAL COMES TO TOWN—THE STORY OF PETER BENT
BRIGHAM HOSPITAL IN BOSTON"

Dr. HENRY A. CHRISTIAN

Physician-in-Chief, Peter Bent Brigham Hospital, and
Hersey Professor of the Theory and Practice of Physic,
Harvard Medical School

"A SURGEON LOOKS AT THE RECORD"

Dr. ELLIOTT C. CUTLER

Surgeon-in-Chief, Peter Bent Brigham Hospital, and
Moseley Professor of Surgery, Harvard Medical School

"THE FUTURE OF THE HOSPITAL"

Dr. C. SIDNEY BURWELL

Physician, Peter Bent Brigham Hospital, and
Dean of the Faculty of Medicine, Harvard University

BENEDICTION

Rt. Rev. FRANCIS L. PHELAN, LL.D.

Chancellor of the Archdiocese of Boston

A buffet luncheon was served on the Hospital grounds following the public exercises. Nearly 1,000 people were present at the luncheon. In addition, the Trustees gave a dinner on Friday evening, May 6, to the alumni at Vanderbilt Hall, followed by a ball at Longwood Towers.

A play, "Growing Pains," was presented on Thursday evening, May 5, in the Hospital amphitheater, under the direction of Drs. Gibson, Dunphy, Quigley, and Durant, with music by Dr. Wilkins, and was an unusual success. This play was so popular that it was given three times and still there were some unable to obtain admission.

With the exception of the events which have taken place at each reunion, the expenses of all the rest were contributed personally by the trustees of the Hospital. Six hundred and five alumni registered, of whom 352 were nurses, 243 were doctors, 9 were dietitians, and 1 a former housekeeper.

REPORT OF THE SUPERINTENDENT

Thanks are particularly due to the Community Federation, which loaned us Mr. Nelson C. Metcalf of its Publicity Department. Mr. Metcalf stayed at the Hospital during the several days' exercises, and kept in constant touch with the press, furnishing them with photographs and articles of interest concerning the program. A handsome booklet, "The Heart of a Great Medical Centre," was published. The composition of the book was very largely due to Mr. Allyn B. McIntire and was enthusiastically received. Five thousand copies were printed and 3,500 distributed to friends of the Hospital throughout the country.

We wish to acknowledge our thanks to the Godfrey M. Hyams Trust for their generous contribution of \$2,690.00 for X-ray apparatus.

Mr. William Amory gave a special fund of \$15,000.00 to be spent over a period of three years in increasing the size of the faculty of the School of Nursing, and to make it possible to improve the curriculum of the School to the end that it more nearly equal those of the better schools with which we are in competition for the more desirable students. During the year, a personnel director, an assistant science instructor, and a full-time secretary have been added to the nursing staff. The fund also permitted small increases in salary to other members of the nursing faculty. On June 2, 1938, a new group was added to our nursing force—ward helpers. They have proved successful in saving much time of our student and graduate nurses in performing routine duties, thus giving the student and graduate nurses more time for important nursing duties.

On September 21, the hurricane occurred. While there was considerable damage to the property in that 43 trees were blown down, together with the flag-pole, some trees striking buildings with more or less damage

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to them, there was no damage to the lighting as the wires are all underground coming from the power plant at Harvard. The total damage amounted to about \$3,600.00, of which, fortunately, \$2,450.00 was recovered by insurance.

Tables II, III, and IV following this report give a more detailed account of the Hospital finances and statistics for comparison with other years. In closing, I wish to express here my thanks to the Trustees for their support, and to all members of the staff and employees for their loyalty and cooperation in helping to carry the Hospital through another difficult year of the depression.

JOSEPH B. HOWLAND,
Superintendent.

DECEMBER 31, 1938.

Table I

(This table is being omitted this year)

Table II

Comparative Tables of Statistics

HOSPITAL WARDS AND SINGLE ROOMS

	1938	1937
Patients in hospital first of year:		
Medical	83	87
Surgical	89	90
Total	172	177
Patients admitted during the year:		
Medical	1,962	1,974
Surgical	2,622	2,740
Total	4,584	4,714

REPORT OF THE SUPERINTENDENT

	1938	1937
Patients treated in hospital wards and private rooms during the year:		
Medical	2,045	2,061
Surgical	2,711	2,830
Total	4,756	4,891
Patients discharged during the year:		
Well	0	8
Improved	3,838	3,926
Unimproved	340	324
Untreated	82	105
Died	331	356
Total	4,591	4,719
Patients in hospital end of year:		
Medical	81	83
Surgical	84	89
Total	165	172
Total patients days' treatment:		
Paying patients	35,786	38,135
Free patients	34,321	32,380
Total	70,107	70,515
Percentage:		
Paying patients	51+	54+
Free patients	49—	46—
Total	100	100
Average patients per day:		
Paying patients	98+	104+
Free patients	94+	89—
Total	192+	193+

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	1938	1937
Medical	90+	91+
Surgical	102—	102+
Total	192+	193+
Average time per patient in hospital..	15+days	15—days
Daily average cost per patient.....	7.77+	7.35+
Daily cost per capita for provisions for all persons supported	.41+	.44—
Patients were admitted as follows :		
Paying regular rate	2,062	2,094
Paying less than regular rate....	1,126	1,310
Free	1,396	1,310
Total	4,584	4,714

OUT-DOOR DEPARTMENT

Number of cases treated	6,552	6,582
Medical	2,252	2,386
Surgical	4,097	3,997
Urological	203	199
Number of visits	84,365	81,175
Medical	40,517	41,823
Surgical	38,803	34,722
Urological	5,045	4,630
Cost of maintenance of Out-Door De- partment	\$62,333.75	\$57,337.39
Daily average cost per patient.....	.74—	.71—

AMBULANCE

Ambulance calls during the year.....	604	607
Average calls per day	2—	2—
Mileage for patients	3,998	4,128
Other business	5,515	3,254
Total mileage	9,513	7,382

Table III

REPORT OF THE SUPERINTENDENT

Year	Expenses	Receipts	Number of pa- tients admitted to wards	Total days' treatment	Average stay in hospital	Average cost per day per house patient	Daily cost pro- per day visions	OUT-DOOR DEPARTMENT			
								Cost of maintenance	New cases treated	Visits	Average cost per visit
1913	\$190,510.41	\$36,571.58	1,370	25,157	20—days	\$7.02—	\$0.53—	\$10,081.39	8,347	30,434	\$0.33+
1914	256,423.25	69,251.23	2,843	49,295	17+days	5.15+	.35—	12,108.39	8,536	36,523	.33+
1915	269,913.46	88,651.55	3,417	60,242	18—days	4.48—	.33+	16,551.07	9,810	47,687	.35—
1916	308,413.81	116,519.00	3,712	65,291	18—days	4.72—	.35—	19,140.56	10,995	53,405	.36—
1917	324,777.80	138,512.48	3,674	65,129	18—days	4.93+	.40—	18,989.10	7,952	45,153	.43—
1918	321,547.28	154,026.47	4,025	66,669	17—days	4.81—	.44—	20,557.07	7,631	49,972	.41+
1919	377,253.15	193,741.63	4,282	65,546	15+days	5.76—	.51—	25,033.43	7,862	49,572	.50+
1920	453,853.94	262,413.29	4,316	69,541	16+days	6.53—	.59—	25,694.39	7,707	52,116	.49+
1921	483,921.52	301,918.05	4,315	68,556	16—days	7.06—	.47—	28,157.67	8,111	58,014	.49—
1922	492,676.00	325,667.28	4,685	70,695	15+days	6.97—	.45+	29,510.51	8,801	57,967	.51—
1923	540,524.41	367,369.45	4,775	74,854	16—days	*6.64—	.47—	32,218.89	8,846	59,336	.54+
1924	535,531.70	354,083.78	4,658	72,539	16—days	*6.83—	.46+	33,753.42	7,081	60,291	.56+
1925	557,252.24	365,749.62	4,422	72,411	16+days	*7.12—	.48+	36,188.43	6,192	55,632	.65+
1926	578,207.16	389,781.57	4,402	75,742	17+days	*6.97—	.48—	35,696.05	7,699	60,671	.59—
1927	620,177.85	412,568.64	4,607	78,645	17+days	*7.05+	.48+	42,276.58	8,164	57,162	.74—
1928	636,392.29	431,017.71	4,523	77,691	17+days	*7.25—	.48—	48,802.11	7,849	75,593	.66+
1929	663,064.84	456,916.54	4,472	78,743	18—days	*7.41—	.49—	53,963.24	7,784	76,523	.71—
1930	676,080.08	447,258.14	4,121	77,852	18—days	*7.68—	.49—	51,456.67	7,595	71,188	.72+
1931	652,391.94	418,586.38	4,056	72,256	18—days	*8.00+	.43+	47,962.10	8,173	78,786	.61—
1932	554,140.48	331,787.15	4,220	68,301	16+days	*7.49+	.36+	46,715.77	7,976	80,272	.57—
1933	512,849.91	257,739.65	4,272	64,642	15+days	*7.60—	.32+	47,748.57	7,571	83,533	.57+
1934	527,423.88	294,231.34	4,373	69,372	16—days	*7.15+	.36—	44,743.52	7,461	77,728	.58—
1935	515,187.70	285,814.91	4,422	68,108	15+days	*7.10—	.39+	51,442.85	6,756	76,149	.68—
1936	538,047.36	321,937.86	4,712	68,437	15—days	*7.40—	.41+	57,337.39	6,582	81,175	.71—
1937	574,046.49	325,131.55	4,714	70,515	15—days	*7.35+	.44—	62,333.75	6,552	84,365	.74—
1938	574,956.31	319,745.06	4,584	70,107	15+days	*7.77+	.41+				

*From 1923 cost of special nurses not included.

PETER BENT BRIGHAM HOSPITAL

Table IV
Expense and Revenue Statement
FOR TWELVE MONTHS OF 1938

ADMINISTRATION EXPENSES

	1938	1937
Salaries and wages	\$ 42,668.33	\$ 41,267.99
Supplies	7,183.05	7,020.46
Miscellaneous	6,088.32	5,895.11
Total administration ..	\$ 55,939.70	\$ 54,183.56

DIETARY

Salaries and wages	\$ 22,637.26	\$ 22,535.36
Food:		
Bread	3,055.82	3,024.84
Milk and cream	17,359.58	15,814.93
Groceries	15,649.87	17,606.90
Butter and eggs	11,926.90	12,768.99
Fruit and vegetables	9,267.83	10,550.09
Meat, poultry and fish.....	25,380.52	26,882.39
Supplies	3,426.72	3,448.09
Miscellaneous	2,079.11	2,370.75
Total dietary	\$110,483.61	\$115,002.34

HOUSE AND PROPERTY

<i>Housekeeping:</i>		
Salaries and wages	\$ 27,848.98	\$ 25,181.63
Supplies	8,401.17	12,452.03
	\$ 36,250.15	\$ 37,633.66
<i>Laundry:</i>		
Salaries and wages	\$ 15,747.17	\$ 13,806.40
Supplies	1,685.74	2,378.82
	17,432.91	16,185.22
<i>Heat, Light, Power and Water:</i>		
Salaries and wages	\$ 3,342.21	\$ 3,191.10
Supplies	988.58	2,604.70
Miscellaneous	66,755.94	61,068.65
	71,086.73	66,864.45
<i>Maintenance and Repairs:</i>		
Salaries and wages	\$ 16,582.91	\$ 16,344.02
Supplies	3,374.16	3,990.84
Miscellaneous		1,178.28
	19,957.07	21,513.14
Carried forward	\$144,726.86	\$142,196.47

REPORT OF THE SUPERINTENDENT

	1938	1937
<i>Brought forward</i>	\$144,726.86	\$142,196.47
<i>Motor Service:</i>		
Salaries and wages	\$ 2,348.29	\$ 2,269.42
Supplies	342.19	310.74
Miscellaneous	479.72	449.28
	————— 3,170.20 —————	3,029.44
Total house and property	\$147,897.06	\$145,225.91

PROFESSIONAL SERVICES

<i>Medical and Surgical Service:</i>		
Salaries and wages	\$ 26,163.83	\$ 26,069.80
Supplies	26,031.24	23,186.90
	————— \$ 52,195.07 —————	\$ 49,256.70
<i>Nursing Service and Education:</i>		
Salaries and wages	\$ 87,614.54	\$ 70,767.32
Supplies	7,092.53	5,567.99
Miscellaneous	1,168.86	.....
	————— 95,875.93 —————	76,335.31
<i>Medical Records and Libraries:</i>		
Salaries and wages	\$ 11,848.31	\$ 11,839.37
Supplies	1,323.66	1,527.60
Miscellaneous	807.35	800.00
	————— 13,979.32 —————	14,166.97
<i>Social Service:</i>		
Salaries and wages	\$ 9,878.81	\$ 7,537.23
Supplies	134.46	374.11
Miscellaneous	387.00	367.50
	————— 10,400.27 —————	7,530.62
<i>X-ray Service:</i>		
Salaries and wages	\$ 23,529.73	\$ 22,565.35
Supplies	13,911.84	13,792.20
Miscellaneous	323.70	267.30
	————— 37,765.27 —————	36,624.85
<i>Laboratories:</i>		
Salaries and wages	\$ 14,006.15	\$ 13,670.89
Supplies	6,125.70	6,097.24
Miscellaneous	235.61	.....
	————— 20,367.46 —————	19,768.13
<i>Pharmacy:</i>		
Salaries and wages	\$ 5,532.03	\$ 5,337.79
Supplies	112.73	116.06
	————— 5,644.76 —————	5,453.85
<i>Operating Room:</i>		
Salaries and wages	\$ 9,158.75	\$ 8,186.28
Supplies	13,551.17	13,003.27
	————— 22,709.92 —————	21,189.55
Total professional services	\$258,938.00	\$230,325.98

PETER BENT BRIGHAM HOSPITAL

OUT-DOOR DEPARTMENT

	1938	1937
Salaries and wages	\$ 21,944.81	\$ 17,049.88
Supplies	12,591.35	13,980.10
Total out-door department..	\$ 34,536.16	\$ 31,029.98

SPECIAL FUNDS

Surgeon-in-Chief Fund	\$ 3,598.62	\$ 1,938.48
Renal and Vascular Disease Fund	2,354.56	742.27
Social Service Special Gift Fund	1,380.20	1,315.89
Reynolds Scholarship Fund..	100.00	100.00
Special Permanent Charity Fund	869.84	812.64
Harvey Cushing Fellowship Fund	1,507.54	2,766.66
Medical Relief for Welfare Cases	1,098.24	868.71
Pernicious Anemia Fund	355.00	100.00
Fiction Library Fund	17.08	36.40
Superintendent's Special Fund		786.25
Twenty-fifth Anniversary Fund	6,675.00	.....
Hyams Fund	2,953.50	.....
William Amory Fund for School for Nursing	2,150.89	.....
Reserve for hurricane loss....	1,352.90	.....
Total Special Funds	\$ 24,413.37	\$ 9,467.30

SUMMARY

<i>Expenses:</i>	1938	1937
Total administration	\$ 55,939.70	\$ 54,183.56
Total dietary	110,483.61	115,002.34
Total house and property	147,897.06	145,225.91
Total professional services	258,938.00	230,325.98
Total out-door department	34,536.16	31,029.98
	\$607,794.53	\$575,767.77
Inventory adjustment	384.92	1,695.28
Total Hospital expense	\$607,409.61	\$574,072.49

REPORT OF THE SUPERINTENDENT

	1938	1937
<i>Revenue:</i>		
Board of private ward patients	\$ 79,122.73	\$ 77,138.08
Board of ward pay patients	79,640.72	82,986.08
Board of special nurses	3,550.83	3,600.26
Special nurses	31,938.39	32,397.14
Medicine and supplies	6,153.56	7,737.49
Motor vehicles	2,039.90	2,098.81
Special professional services:		
Operating room	14,984.45	15,722.53
X-ray service	39,493.35	42,755.47
Laboratories	10,374.90	10,241.59
Physiotherapy	3,353.85	83.40
Other special services	1,958.37	717.00
Miscellaneous earnings	5,354.44	4,813.27
Out-door department	41,779.57	44,840.43
Total Hospital receipts	\$319,745.06	\$325,131.55

Statement of Stock on Hand

Administration supplies	\$ 3,463.09	\$ 3,719.69
Dietary	6,148.74	6,671.46
House and Property	7,345.50	8,584.31
Medical Service	18,742.39	16,339.34
	\$35,699.72	\$35,314.80

Report of the Roentgenologist

It is more difficult than usual to write an annual report this year for two reasons. One is that there are so many changes taking place, and in prospect, that it is hard to evaluate what is going on so soon after it happens. The other reason is that one's friends insist on discussing either (a) the prospects of socialized medicine or (b) the hazardous situation in Europe, to the detriment of one's peace of mind and with loss of valuable time. But both are pertinent to this report and if I can stay out of the arguments long enough it will be brought out how and where they affect us.

Most of our friends realize, I am sure, how the financial situation of the Hospital has changed since the advent of the First Depression, and how much we are indebted to the Community Fund for their help in carrying on the work of the Hospital. Without the considerable help from the Fund, we would be seriously handicapped indeed. That is one of the greatest changes that has occurred recently, and it is hard to tell how that situation may further change. If the financial support of the Hospital should become entirely inadequate, one can only speculate as to other possible wings to shelter us as an institution—university, city, federal—who knows? On the other hand, as we grow older we gain support from a wider circle of friends, both from a larger number of satisfied patients, and particularly from the ever-increasing circle of active professional graduates, especially those in practice in and around Boston. It takes several generations of both patients and graduates to establish such an institution as ours on a permanent family basis, particularly in the rocky soil of

REPORT OF THE ROENTGENOLOGIST

New England, where twenty-five years of growth are considered merely an adolescent period. Our first generation of physicians, infused with the spirit of Councilman, Cushing, Christian and Wolbach, is coming of age indeed, as seen at the Twenty-fifth Reunion, and the second generation now starting under Cutler, Weiss, and future leaders and teachers will be as notable, I am sure, when the Fiftieth Reunion rolls around.

The successive changes in interest and in emphasis are reflected in our department. We miss the stimulating challenge of those daily problems in neurological diagnosis which we enjoyed when Dr. Cushing was here, but other problems take their place, no less interesting, and requiring the same careful study on our part to afford the maximum assistance in diagnosis. Dr. Burwell's interest in the dynamics of the circulation, Dr. Levine's interest in the exact anatomical, pathological and etiological diagnoses in diseased hearts, Dr. Cutler's interest in teaching, Dr. Christian's healthy skepticism, have all caused reflex changes in the spinal cord and sympathetic system of the Hospital—yes, I mean our department. The extra work and varied problems of orthopedic clinics, nose and throat clinic, and dental clinic have all been welcomed as offering variety as well as broadening the training of the house officer and assistant residents. The tumor follow-up clinic has been the weekly responsibility of the senior assistant resident, offering an excellent opportunity for the mutual benefit of the patient as well as the surgeon, radiologist, and pathologist, who profit by studying the end results of their treatment or prognosis.

The outstanding event of the year was undoubtedly the twenty-fifth anniversary celebration, most painstakingly arranged and most efficiently managed by Dr. Christian, who was at the same time the *cause célèbre*

PETER BENT BRIGHAM HOSPITAL

and the hero of the annual play—a production never to be forgotten by those who were fortunate enough to witness one of its three presentations. Hundreds of alumni from all over the country and friends from near and far joined to celebrate the occasion. The formal program of papers was enriched by contributions from several former members of our department. The professional program alone was worth any amount of time and trouble to return, being of a higher calibre and more sustained interest than any the national medical societies could produce.

The second item of importance in this report is to record the most welcome addition of a fluoroscopic tilt-table with a spot-film device to aid us particularly in our studies of the gastro-intestinal tract and the spinal canal. The equipment was given to us by the Trustees of the Hyams Trust who so generously helped us with a new therapy machine two years ago. The new apparatus has been of considerable value and help and is, of course, in daily use not only for the gastro-intestinal work but also in the fluoroscopic reduction of fractures and in the surgical nailing of fractured hips. The use of the fluoroscope in the reduction of fractures has grown so much that plans are on foot to equip a separate room for fracture work, where the equipment will be available and ready at all times instead of at odd and inconvenient times as at present.

Referring to the records, we note that patient number 100,000 was duly recorded on our books, as prophesied in last year's report. This number was reached on February 18, 1938, and was assigned to a resident of Suffolk County who was X-rayed for gall stones. He was later admitted to the Hospital with jaundice and after two weeks in the medical ward was discharged with a diagnosis of catarrhal jaundice, cause unknown. Like

REPORT OF THE ROENTGENOLOGIST

so many other X-ray examinations, this one was of no positive help or value except that it ruled out the 20% of "positive" or opaque gall stones. Cholecystograms after the jaundice had cleared showed no gall bladder shadow suggesting a non-functioning gall bladder. The patient felt well, was again working regularly and decided to get along without further help from the Hospital or from the magic number of X-ray No. 100,000. The last new patient on December 31, 1938, received number 104,009, making a total of 4,675 new patients this year. There was an even larger number of old patients re-examined or treated during the year, with a total of 13,750 patient-visits for the year, an average of well over a thousand a month—more than the optimum for our present equipment and personnel. Other figures as to the work of the department will be found at the end of the report.

Financially the department has suffered from the Second Depression with a marked fall in revenue and a slight increase in cost so that our record as a self-supporting and revenue-producing department has been broken. For the first time in twenty years, the department was in the red for the year, but fortunately for only a small amount, roughly \$500.00—which was the cost of a new therapy tube and new oil for its insulation. Efforts are being made to cut the expenses still more and we hope to be out of the red again next year especially if the general financial situation improves.

Speaking of equipment, our department survived the hurricane of September 21 with no damage and with only a few hours' shut-down due to the loss of power. In fact the Hospital and grounds fared well except for the loss of awnings and the loss of many of the old poplars along the street and between the wards—trees I never liked anyway. The X-ray department really did

suffer, however, when a torrential downpour on the night of August 17 overwhelmed the storm sewers of the whole neighborhood, resulting in a flood of dirty water all through the department. All of the machines were put out of commission, several of them requiring replacement of parts, adding considerably to the year's expenses. Of greater importance but of incalculable value was the loss of thousands of films stored in the basement and ruined by the water, leaving quite a gap in our records. We hope the catastrophe will not be repeated but we are unable to prevent its recurrence so long as we remain in our present location, as the water backed up through the storm sewers inside the Hospital yard. This is the second flood which we have suffered and the only way I can see to prevent it will be to move the department to a higher level. It is not true that the hurricane was caused by the symposium which Dr. Levine and I put on at Atlantic City that same afternoon although we did talk intermittently for four hours and the high winds did come from that direction.

One of the most important changes in prospect is the installation of a new Physician-in-Chief next year and we are looking forward to welcoming Dr. Soma Weiss to membership in our official family. No one can take The Professor's place, but the work and the traditions and the high ideals which he has initiated can still be carried on. No more stimulating person than Dr. Weiss could be found, I am sure, and we hope that he will be as happy to come as we are to have him with us. Even harder jobs await Dr. Wilhelm, who will succeed Dr. Howland on January 1, and Miss Beal who took up Miss Hall's burdens last year, as their administrative duties in both cases are handicapped by financial stringency. Necessity, however, is still the mother of invention, and to be too rich is a temptation to be idle. We can all

REPORT OF THE ROENTGENOLOGIST

keep busy, and will have to keep busy while hoping for more comfort if not luxury ahead. But while the watchword is economy, it is never at the expense of service to our patients, but rather inconvenience to ourselves and our co-workers.

There are many items of personal interest in and from the department this year, and from its alumni both professional and technical. We regret to note that the first roentgenologist of this Hospital, Dr. Alfred Luger, died in Vienna, Austria, on July 10, 1938. Dr. Cushing has placed in the Hospital library a bound volume of his reprints and other mementoes as a monument to his service with us. Miss Hilda M. Riley, known to several successive groups of house officers and nurses as one of our best-liked and most charming nurses, died on July 26, 1938, of cardiac decompensation. We miss her cheery presence and her never-failing good humor very much indeed. Two of our former house officers have had personal acquaintance with serious illnesses this year, one of them with pulmonary tuberculosis which has laid him up for a year, and the other with undulant fever which lasted for months. Both, fortunately, are well enough to resume their work again at present and both have acquired a new viewpoint and a new appreciation of health which the rest of us take for granted.

The usual succession of residents resulted in the "graduation" of Dr. David A. Sampson in June of 1938 to an important position with Dr. G. E. Pfahler in Philadelphia. Dr. John Larkin was promoted to his position, and Dr. Wallace Miller began his term as junior assistant resident on July 1. The position of house officer in the department was awarded to Dr. Robert E. Crowder, a graduate of Northwestern Medical School, after his internship at Passavant Memorial Hospital. Several volunteer graduate assistants have served in the

department during the year, Dr. Laxman Athle, from Bombay, India; Dr. Johnston, from Gorham, New Hampshire; Dr. Morey, from Ada, Oklahoma; and Dr. Simpson, from Hyannis, Massachusetts. The last three of these were sponsored in whole or in part by the Commonwealth Fund in their laudable work of supplying trained specialists for community hospitals in the smaller centers. We feel that this is a very worthwhile contribution both by the Commonwealth Fund and by the Trustees of the Hospital in an attempt to elevate the standards of medical practice throughout the country. This method of short-term intensive teaching for carefully selected men will go a long way toward meeting the demand for trained radiologists as noted in last year's report—a demand which still far exceeds the supply. It is particularly worthy of note that foundations such as the Commonwealth Fund consider the radiologist and pathologist as the most important nucleus of the staff of the community hospitals which they encourage. *Res ipsa loquitur.*

Upon recommendation of the Committee for Displaced Foreign Physicians, we have accepted as voluntary graduate assistant Dr. H. Peter Mueller, from Königsburg, East Prussia, for a period of one year from July 1, 1938. Dr. Mueller has already earned his place in our department by his careful work and by his linguistic ability.

The technical staff has also undergone one change, as Mrs. McLean (formerly Louise Taylor) resigned in April. Miss Helen Sargent of the class of 1928 has been put in charge of the rapidly increasing work in the cystoscopic rooms. Many applications for training in radiographic technic have been received, but it is our custom to accept only those whom we wish to employ in the department. It might be feasible and advantageous

REPORT OF THE ROENTGENOLOGIST

to accept one or two students a year and thus have replacements more readily available in case of illness or resignations.

Of academic as well as professional interest is the fact that twelve papers were read by the Roentgenologist before different societies during the year, of which only three were published—an example of literary restraint combined with laziness. The usual amount of third- and fourth-year teaching has been carried on in addition to the increased routine work, averaging about two hours a day through the school year for the students' and house officers' instruction. The fourth-year elective course in Roentgenology at our Hospital is said to be the most popular of the electives, possibly because we vary rarely flunk anyone and practically never give an "A." The X-ray conferences have been held weekly throughout the school year, with a continuation of the never-ending and ever-increasing feud between the departments of pathology and roentgenology, only occasionally submerged by a joint attack upon medical or surgical or orthopedic fallacies. Suggestions are being considered to change the time of the clinic to an afternoon hour so that outside physicians and house officers from neighboring hospitals might more readily attend.

In summarizing the year, we might say that it has been one of progress, of more and better roentgenotherapeutic endeavors, of increased efficiency in diagnosis with our new apparatus, of wider usefulness in teaching, and of continued friendly collaboration and support (with occasional helpful criticism) from our sister departments, the administration, and the Trustees.

M. C. SOSMAN,
Roentgenologist.

DECEMBER 31, 1938.

PETER BENT BRIGHAM HOSPITAL

TABULATION OF DATA, FIVE-YEAR PERIODS

Y _{EAR}	Ward Cases	O. D. D. Cases	Private	All Others	Totals	X-ray Treatments	Films Taken	Dental Films
1918	1,692	1,537	48	129	3,406	27	6,994	702
1923	3,702	2,835	960	210	7,707	764	14,144	2,506
1928	4,846	4,307	1,112	607	10,872	1,162	26,172	2,941
1933	3,662	4,354	1,024	606	9,646	1,444	17,581	6,265
1938	5,073	6,024	1,959	697	13,753	3,483	29,178	4,567

Report of the School of Nursing

THE YEAR 1938 marks the beginning of a second quarter of a century for the Peter Bent Brigham Hospital. On May 5, 6, and 7, the Hospital, in recognition of this anniversary, invited all of its Alumnæ and Alumni to return to celebrate this occasion. As a result, 352 graduates of this School of Nursing returned and participated in a professional program, contributing papers and taking part in demonstrations. They observed changes in their School, reviewed old friendships and enjoyed the hospitality extended by the members of the Corporation and the Hospital staff.

It seems fitting at this time in the history of the School to consider briefly the fields in which these graduates are engaged, to determine, if possible, whether or not the School is preparing them to meet the demands of the community for their services. It is not enough that a School of Nursing prepare young women for such a vocation without thought of the need for their services and the probability of their employment. We have graduated 811 nurses. Of this number about 50% of them are actively engaged in nursing, the other 50% have married or, for one reason or another, are inactive. Of the number of nurses actively engaged in nursing, 22% are in private nursing, 21% in public health nursing, 50% in institutional nursing, and 7% in various fields, as office nursing, the foreign field, laboratory work, organization work, social service, teaching in college, or have forsaken nursing for business. In the country at large, graduate nurses are distributed as follows: 55% are in private nursing, 9% are in public health, and 36% are in institutional nursing.

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For a good many years, the number and distribution of nurses in the country, as a whole, has been of great concern to both the nursing profession and to the public, the consumer of nursing service. In 1934, when the final report of the Grading Committee appeared, it was obvious that under the existing apprenticeship system in hospital schools of nursing, such as we are conducting, that nurses were being graduated more rapidly than they could be absorbed in the community; that the distribution of available nursing service was poor, and that the economics of nursing was unsatisfactory to both the nurse and the employer of nurses. At the same time a high percentage of the people in our country were in dire need of nursing service. It was also shown that of the 294,189 graduate nurses in the country, the majority were not sufficiently well prepared to meet the needs in such fields as public health, psychiatric nursing, tuberculosis nursing, pediatrics or obstetrics, and that the numbers needed in teaching and supervision in schools of nursing, and in the specialties was entirely inadequate. Hospital and public health agencies could place only a small percentage of graduates, leaving by far the largest group of nurses dependent on the unstable and seasonal work in private nursing for their livelihood.

Sufficient attention was brought to this situation so that since 1934 many schools, such as this, reduced the number of students which they admitted, and many others believing that they did not provide a sufficiently rich field for teaching nursing gave up their schools. This has opened new opportunities for a large number of nurses as general staff nurses in hospitals; some stimulation has been given to the extension of the services of nurses in the public health field from both private and public agencies; the program in many schools of nursing has been enriched to better qualify nurses to meet the

REPORT OF THE SCHOOL OF NURSING

needs; and from the demands of nurses themselves post-graduate courses have developed in colleges and universities to provide a better qualified group in teaching and supervision. Pursuant to these trends, prospective applicants in nursing are giving more careful scrutiny to nursing as a future vocation. Under the advice of guidance counsellors who are themselves becoming better informed on the types of preparation offered in schools of nursing, applicants are selecting their schools more carefully.

It is interesting to note that those schools which have followed these trends and have made changes in their curricula, in keeping with them, have had no dearth of applicants. Nursing offers today a wider range of interests for young women interested in a service career than ever before. Changes in science, in medical practice and in social conditions make new demands upon nurses which they must be prepared to meet. Therefore, the school which offers a preparation which will equip its graduates to meet these needs will obviously attract the most desirable applicants. Diminishing opportunities for selection and a constantly decreasing enrollment in a school such as this, which has always held a high place among schools of the country and which has much to offer, should challenge our consideration.

We have, in the past, produced many good nurses, nurses who have found their place in the profession, and from their distribution appear to be meeting the needs more adequately than the rank and file of nurses. The question confronting this school appears to be whether we are going to remain among the schools holding first rank and continue to produce nurses well qualified to serve in the community, or are we going to follow this general *laissez-faire* pattern of schools which continue to swell the ranks without thought of the need in the

community. There are just as many fine young women interested in nursing as ever before. There is even a greater need for well-prepared nurses. Intelligent applicants are seeking the best course they can find to prepare themselves.

I have purposely cited these facts relative to nursing in the country as a whole, and to our specific situation, because our whole philosophy of nursing education and the responsibility which we assume by conducting a school, to provide the number and type of nurses that are needed, is involved. The belief that the Brigham Hospital offers a rich field for the teaching of medical and surgical nursing is well founded. However, this is not a sufficiently varied field to provide a well-rounded program in nursing. It is true that we have always supplemented these services by affiliation in obstetrics and pediatrics. We have not met our obligations in the fields of psychiatry or public health. It is generally believed by leaders in nursing, because of the experience of nurses who have had the fundamental preparation in the care of the mentally ill, that a basic experience in this clinical field, with emphasis on the preventive aspect, mental hygiene, is an essential part of the equipment of every nurse. Only six of our students receive this introductory experience each year. They invariably state it to be one of their most valuable experiences in their preparation for generalized nursing, and since the demand for nurses in this field far exceeds the supply, it gives them a basic foundation on which to build in the future. There is no question but that the affiliation in public health nursing has served to interest a larger percentage of our graduates in this field. It is to be regretted that more of the public health point of view is not taught within our own walls. Had we a public health nurse on our staff, whose duty it was to teach nursing from the com-

REPORT OF THE SCHOOL OF NURSING

munity health point of view, far better use could be made of the students' experience, both in the out-patient department and on our wards. Too much emphasis is placed on teaching the care of the patient in the hospital, and too little on the care of a patient as an individual, a member of a family, or social group.

That 50% of our graduates who are practicing are engaged in institutional nursing can be accounted for partly by the increased number of graduates being employed by hospitals for bedside care, and speaks well for the large number who from their personal qualifications and by advanced study have prepared themselves for positions in supervision, teaching or administration. It would seem that with the increasing demands for nurses in the specialties, in public health, and in institutional nursing, and with the constant advances in medical science, that the course in the school of nursing should develop to meet these needs. It is essential that all instruction and practice be centered around good patient care, and that the graduate from a school of nursing such as this, should have that fundamental knowledge essential in all good nursing. Providing as we do, a rich clinical field for the teaching of medical and surgical nursing, our problem is to make better use of the facilities available and enrich experience by extending student practice in such services as psychiatry, and public health, to a larger number of students than receive it at present.

This year, because of the decreased number of students, it has been necessary to increase the number of graduate staff nurses. To further supplement the work of nurses, 17 ward helpers were introduced into our wards in June to carry those routine non-nursing duties formerly carried by students, and allow more time for patient care. No adjustment that has been made this year has perhaps lessened the tensions under which our

PETER BENT BRIGHAM HOSPITAL

nurses constantly work to so great an extent as the introduction of these workers. Unless ward helpers were assigned to night duty, we have reached our saturation point for this type of service, though additional nurses are very much needed in order to provide sufficient hours of nursing. For more than a year, records of the number of nursing hours available per patient daily, have shown that though meeting the minimum need we fall short of meeting what is accepted as adequate. It has been a matter of much concern, and one which should have the serious consideration of those who establish policies for the Hospital. It is greatly to the credit of head nurses and supervisors who carry the onus of such weaknesses that their morale is not broken. Not only should they be given an adequate number of workers to care for patients, but serious consideration should be given to shortening the hours for both graduate nurses and students. Not only would the morale of the group improve, but it would undoubtedly be reflected in the illness record. At the present time graduate nurses work from 49 to 54 hours per week, while students in the School, after the first six months, work a 51-hour week on the wards, exclusive of classes and study, in the daytime, and 56 hours a week at night, exclusive of classes and study. Add to this four to five hours of class with a similar amount of time for study, and it presents a schedule far too strenuous for a 19- to 20-year-old girl. One free day in seven, if not one and a half days in seven, appears only reasonable as a working week, as well as from a health point of view. Serious consideration should be given to this question, for both students and graduates.

Last year attention was called to the constantly diminishing enrollment in the School of Nursing. This year the School is smaller by eight students. Too much

REPORT OF THE SCHOOL OF NURSING

emphasis cannot be given to the fact that intelligent young women cannot be expected to enter a field in which they are so obviously exploited. And only in so far as the course can be built up to attract the type of young women whom we would like in nursing, with conditions of work which are suitable, can we expect to make progress.

This year a very generous gift from Mr. Amory, President of the Board, made possible three new appointments, which have been greatly appreciated. One was the appointment of a second science instructor, Miss Gladys Ekman, a graduate of Newton Hospital, another, Miss Grace McPhail, P. B. B. H. 1926, as supervisor of student health and of personnel. The appointment of a full-time secretary to the School of Nursing has relieved supervisors of much office routine and allowed more time for supervision. Other staff changes include the temporary appointment of Mrs. Gertrude Maurer, of the Newton Hospital, for follow-up in the Luetic Clinic under the auspices of the State Department of Health, to fill the vacancy created by Miss Marion Hampton's resignation in November. To fill head nurse vacancies Miss Jeanne Gervais, P. B. B. H. 1925, Miss Lucy Deggs, P. B. B. H. 1937, and Miss Jane Hunt, P. B. B. H. 1937, have been appointed. In September, Miss Esther Kinney, P. B. B. H. 1929, was appointed Supervisor of the Operating Room, and Miss Bridget Egan, P. B. B. H. 1935, was promoted to Instructor in Operating Room Technique, and Miss Helen Marsden, P. B. B. H. 1937, appointed as third assistant in the operating room. Miss Bernice Sinclair was released during the summer to teach the freshman students in the Simmons College School of Nursing their introductory course in nursing in this Hospital, thus continuing the ties with the College.

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That an increasing number of graduates have sought to improve their preparation by taking advanced courses is encouraging. In the summer Miss Kinney and Miss Campbell were released to attend Boston University Summer School, and this winter seventeen graduates are taking one course at either Simmons College or Boston University.

The year ends with the following staff of graduate and student nurses:

Superintendent of Nurses and Principal, School of Nursing	1
Assistant Superintendent of Nurses	1
Instructors	3
Supervisors	5
Night Supervisors	2
Graduate Head Nurses and Assistants in Departments	16
Graduate Nurse Anesthetists	3
Graduate Nurses—X-ray Department.....	3
Graduate Nurse—Out-Door Department—in employ of State Department of Health	1
Graduate Floor Duty Nurses	26
Graduate Nurse—Metabolism Laboratory—part time	1
Student Nurses	107
Total	169

Forty-seven students have entered; 43 have been graduated; 11 have withdrawn. Thirty-two students from the Children's Hospital School of Nursing have been accepted for six months' experience in adult nursing during the year, and 4 students accepted on January 29, 1938, from the Simmons College School of Nursing for one year's experience in adult nursing. The last group of students in the five-year combined program with Simmons College completed the work at the College in June, 1938, and were awarded the diploma of

REPORT OF THE SCHOOL OF NURSING

this School of Nursing and a Bachelor of Science degree from Simmons College. During the year four graduate nurses from Simmons College were given their field work in the Hospital; three in head nursing and one in teaching.

The twenty-fourth annual graduation exercises were held in the Assembly Hall at Simmons College on November 18, 1938. Mr. Amory, President of the Corporation, presided. Forty-three nurses were presented for diplomas. The Dr. John P. Reynolds gold medal for general efficiency was awarded to Mary Madelyn Herd. The John P. Reynolds scholarship for highest rank at the end of the second year was awarded to Agatha Kittrick. Jesse B. Davis, A.M., Litt.D., Dean of the School of Education at Boston University, gave the address.

In the retirement of Dr. Howland at the end of this year, after nearly twenty years as Superintendent of the Hospital, the School loses a staunch supporter and friend. We have been fortunate in having had his understanding support and counsel. His knowledge of sound principles of nursing education has given this School a stability and his ideals and standards have been a source of encouragement to those given the responsibility to maintain them. In the conduct of this School, his advice has frequently been sought, his counsel generously given, and his opinion always fair. For those innate qualities of the true gentleman and those outstanding abilities of an able administrator, we honor and respect him, and extend our most sincere good wishes for his coming years of retirement.

LUCY H. BEAL,
*Superintendent of Nurses and
Principal, School of Nursing.*

DECEMBER 31, 1938.

Report of the Social Service Department

DURING THE past year there were 1,421 new patients referred to the Social Service Department, 693 reinstated, 56 brought forward from previous year, making a total of 2,170 patients active in the department.

The many cases referred may be divided into several large groups according to the reason for referral, as follows: Convalescent, nursing, institutional, and terminal care; orthopedic appliances, housekeepers, transportation, interpretation to agencies, and miscellaneous requests.

Following operations, convalescent or even nursing care is often necessary because of the patient's physical condition and the home situation. This type of care was arranged for many patients, some of whom were able to pay their own expenses, and others for whom money was raised from special funds.

Institutional care for treatment of tuberculosis and cancer has been secured for patients needing it. Terminal care was also arranged for cancer patients either in an institution, private nursing home, or their own home. Most patients prefer to remain at home if possible. In this instance daily nursing care was provided by the cooperation of the visiting nurses. Community health nurses have also been sent to visit patients discharged home following operation, and others being followed in the Out-Door Department.

With the Orthopedic Clinic meeting twice weekly there have been many requests for orthopedic appliances. These have been provided for those patients unable to

REPORT OF THE SOCIAL SERVICE DEPARTMENT

pay either by social service funds, or in the case of an expensive brace, by raising the money.

A great need has been met by the cooperation of the WPA Housekeeping Project in providing housekeepers for our patients. We have put in many requests for this service for various reasons; to enable a housewife to enter the hospital, to give help in the heavier housework during the period of convalescence, and for many patients who are unable to perform their household duties.

A thirty-two-year-old mother of five children, who had been in poor health for several years, was advised to have a repair operation. She came to social service asking help in arranging for the care of her children so that she could enter the hospital. The children were between the ages of three and eight so could not be left alone. Her husband was employed on the WPA three days a week but could look after the children on the days he was not working. Arrangements were made for a WPA housekeeper to go in while husband was at work and the patient entered the hospital. She had a very extensive operation and on discharge from the ward the doctor advised against any heavy work or lifting for at least six weeks. As she was a very energetic, conscientious, mother it was not felt wise for her to return home immediately from the hospital. She was sent to a convalescent home for two weeks. Transportation to clinic for check-up was arranged through the Red Cross Motor Corps. When she returned home the housekeeper was continued so that patient could be relieved of the heavy work.

The provision of transportation is an important part of the work done by the social worker. There are many patients who must report frequently to the Orthopedic Clinic, Fracture or Surgical Clinics, or to the Physiotherapy Department. These patients are incapacitated in some way and unable to travel by street car. Still others must report daily over a period of several weeks

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for X-ray treatment. Generally their condition is such that travel by street car is impossible and transportation is arranged for them through the Red Cross Motor Corps. The help of the Motor Corps has been invaluable during the past year.

Interpretation to community agencies takes a good deal of time but is very worth while. In this way the interested agency is given an understanding of the patient's medical problem and is then able to cooperate with the Hospital in working to help him to return to health and independence. For example, an agency by helping provide a special diet, giving temporary relief, or finding suitable work has given many a patient the chance he needs but would be unable to make for himself.

Besides these main large groups of problems the social worker has received many varied requests. A woman who was partially incapacitated following an operation for a brain tumor needed a wheelchair; a child was unable to keep up with her regular class in school and needed some arrangement made for special work which she was capable of doing; a woman needed help in finding out how to go about securing return payments of a sum of money she had loaned to a friend. Any day may bring a totally new request for which the worker tries to provide.

SURGICAL SERVICE STATISTICS—1938

Cases brought forward, January 1, 1938.....	11
New cases	306
Reinstated	144
Total cases	461
Closed cases	419
Carried forward to January 1, 1939	42

REPORT OF THE SOCIAL SERVICE DEPARTMENT

In addition to the regular case work a follow-up study of the patients in the Tumor and Neuro Clinics has been started. The purpose is to check up on all those patients with a diagnosis of cancer who have not reported as advised for periodic examination or treatment. First their house and Out-Door Department records have been seen to find out whether patients had returned to other clinics, or had been reported as dead. Then home visits were made in an attempt to locate the patients and persuade them to return to the clinic. This study was started in October and at the end of December 55 patients had been visited.

Of the 55 patients 16 had died, 7 were unable to locate, 4 treating elsewhere, 2 confined to chronic hospitals, 2 confined to home, 1 working hours conflicted. Of the remaining 18, 14 patients have returned to the Tumor Clinic, 6 of these are to continue reporting for check-up, 4 advised treatment, and 3 discharged.

The social worker in the Arthritic Clinic has been successful in getting convalescent care for many of the patients even when this involved raising money to pay for this care.

The more important problem of getting work for patients handicapped with arthritis has not been met to any extent. The handicapped project of the WPA which for the last few years has taken some of our patients, has not been able to take new applications. We have been able to increase the family income for a few cases by getting work for other members of the family.

The problem of financing medicines used primarily to build up the patient's resistance, such as various vitamin preparations, Haliver Oil, etc., is difficult for most of our patients are unable to pay for them as they are very expensive and the Hospital has not felt able to provide them.

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The Red Cross Motor Service has been most generous in bringing patients in both to the Clinic and Physiotherapy Department. The relief agencies have shown a sympathetic understanding of the needs of the patients that they have known.

The morale of the patients has been very good. They have felt that they benefited by returning to the Clinic and very little follow-up has been necessary.

ARTHRITIC CLINIC STATISTICS—1938

Cases brought forward, January 1, 1938	285
New cases referred	95
Reinstated	9
Total membership during the year	389
Closed during the year	131
Carried forward to January 1, 1939	258
Total number of visits to clinic	596
Number of clinics held	38

On the Medical Service 21 patients were sent directly from the wards to convalescent homes, 18 patients to nursing homes, 13 patients were sent to hospitals for chronic diseases, and 11 patients discharged to sanatoria for tuberculosis. The Community Health Association was asked to supervise 23 patients in their own homes, and the WPA housekeepers were requested for 8 families. The most difficult cases to plan for satisfactorily are those needing chronic hospital care as there are such inadequate facilities to meet the great need.

MEDICAL SERVICE STATISTICS—1938

Cases brought forward, January 1, 1938	20
New cases referred	280
Reinstated	146

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Total membership during year	446
Closed during year	423
Carried forward to January 1, 1939	253

During its second year the Psychiatric Service has continued to hold two clinics a week, one for adults and one for adolescents. The adolescent group is a small but important one. Maladjustments discovered early in life and dealt with promptly present a more hopeful prognosis than those which, originating in youth, have gone untreated for years.

PSYCHIATRIC CLINIC STATISTICS—1938

Cases brought forward, January 1, 1938	9
New cases	147
Reinstated	51
Total cases	207
Closed	195
Carried forward to January 1, 1939.....	12
Clinic days	96
Total number of visits to clinic	932

During this second year the social worker has continued to take a detailed psychiatric social history from each patient referred to the clinic. This has proved useful not only to the psychiatrist but to the social worker herself when cases have been referred to her for help, and has saved time and facilitated prompt action in time of emergency with individual patients.

One of the patients in this clinic was a girl of fifteen, one of three children and the only girl. She and her older brother were constantly at odds. She was very fond of her younger brother but being only seven years old he was too young to be much of a companion. Her

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parents were both neurotic and most incompatible. The difficult home situation assumed such an overwhelming importance in this girl's life that she attempted suicide last spring as the only solution. Frequent visits to the psychiatrist modified her outlook to a large extent but when summer came it seemed advisable to send her away from home so that she might get a different perspective on the situation. She was accepted by the Y. W. C. A. for their girls' camp. She is an attractive girl, with a pleasant singing voice, clever in theatricals, and fond of athletics. She fitted in well at the camp, took a leading part in camp plays and operettas and had a satisfying vacation. Last fall she entered high school and is enthusiastic about her courses and her teachers. It has been made possible for her to continue her connection with the Y. W. C. A. where she is enjoying several activities this winter. With all these outside interests the home conditions, though little changed, seemed far less intolerable to her.

The worker in the Cardiac Clinic has tasks which are varied and numerous. It is through her that the doctor may obtain any social information which might affect the patient. The worker becomes well acquainted with all patients as each reports at regular intervals over a long period. Through her visits to the home and co-operating with interested agencies, she understands the problem.

The Clinic routine is the responsibility of the social worker. She makes appointments, balances clinic sessions, and follows patients who have lapsed in their treatment. A social history is taken on each new patient at the initial visit to the clinic. At this time the rôle of the social worker, the appointment system, and need of medical care is interpreted to the patient. The nature of the patient's illness, the recommendations of the doctor are also explained. Although there may be no social problem at the moment, the patient is urged to consult

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the worker at any future time. During the clinic sessions the majority of old patients are interviewed to keep the worker informed of any new social developments. Those who are unable to pay for medicines, X-rays, special tests, etc., are sent to the worker for the necessary adjustment and arrangement to obtain this free of charge.

This year 165 patients were referred to the social worker by the doctor or came voluntarily for some help. Many of these patients received intensive casework treatment while others desired some small service. Fourteen of these patients were referred for employment adjustment. For the most part the State Department of Rehabilitation, WPA Handicapped Project, the Cooperative Workrooms and the Christopher Shop cooperated with the worker. Through several child-placing agencies it was possible to send twelve children away to camp for the entire summer. The Children's Mission took eight of our young girls to a special cardiac camp for the summer season where a restricted life and close supervision was had under ideal conditions. Seventeen other children were sent to camp for shorter intervals. This group included six mothers, who accompanied their children for a two-week period.

Another task of the social worker is interpreting the patient's physical condition to interested agencies, employers, and schools. The Public Welfare Department sends questionnaires at regular intervals to check on patients' physical condition and work ability.

In many cases the Public Welfare aid was obtained for patients who were without a source of income. Increased aid for diets and better home conditions were requested and obtained. In solving many family difficulties the Family Welfare Society, Catholic Charitable Bureau, and Jewish Welfare Association cooperated.

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A good deal of time and effort is expended in trying to teach the younger children in the clinic the value of restricted activity as recommended by the doctor and to acquaint them with some knowledge of their handicap without making them over-solicitous.

The Cardiac Clinic has also cooperated with the Children's Mission in the study they are making of cases of rheumatic heart disease. These cases have been reported to them and a chart is being made showing the incidents of this disease in relationship with poor living conditions.

CARDIAC CLINIC STATISTICS—1938

Cases brought forward, January 1, 1938.....	619
New cases	107
Reinstated	22
Total membership during year	748
Closed during year	167
Present attendance January 1, 1939	581
Total visits to clinic	1,386
Average number at clinic	15
Largest number at clinic	32
Smallest number at clinic	5

Of the 107 new cases referred (age division being made at 16 years, inclusive), there were 32 men, 40 women, 21 girls, and 14 boys.

During the year the Luetic Clinic meets three afternoons a week. Two of these sessions are for treatment and the other one for consultation. The purpose of the Consultation Clinic is to diagnose new cases and re-examine those returning for check-up. The social worker is present at the Consultation Clinic and interviews each new patient. She establishes a friendly contact with each new patient and explains her rôle in the Clinic. Although there may be no problems at the mo-

REPORT ON THE SOCIAL SERVICE DEPARTMENT

ment, patients are urged to seek social service help if one should arise.

During this past year the social worker has assisted many patients without income in securing welfare aid or obtaining larger allowances for health reasons. She has asked the cooperation of the private family agencies; *i.e.*, The Family Welfare Society, Jewish Family Welfare Society and the Catholic Charitable Bureau in making satisfactory adjustments to the medical problems of many patients.

Because of the necessity of regular treatment over a long period, the social worker is often called on to encourage patients and reinterpret the need of such intensive care. In many cases a great deal of interpretation of the medical aspects of the disease by the doctor and the social worker is needed to convince patients of the value of having a lumbar puncture and malaria therapy. Patients also must be made to realize the importance of having serologies taken on contacts and members of the family in order to protect other individuals in the community.

Although our follow-up system is very successful, there are always some cases that lapse in the necessary treatment. The state epidermologists have done remarkable work in returning these cases to the Clinic. They are also alert to any social problems of which the worker may not be aware. The State Department of Public Health has been responsible for the payment of treatments, special tests, carfares, and hospitalization for those patients who cannot afford it.

With the State Department of Public Health and each clinic combining their efforts to control this disease and educate the general public the results should be gratifying.

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G. C. STATISTICS—1938

Patients brought forward from December 31, 1937	86
New patients	61
Reinstated patients	4
Total membership during 1938	151
Closed during the year	78
Present membership, December 31, 1938...	73
Discharged	78
Transferred to other hospitals	7
Letters returned unclaimed	2
Reported Board of Health—not located	3
Lost	2
Followed in another clinic	4
Probably cured	17
Died	1
Female patients seen in Gyn. Clinic (diagnosis not confirmed)	37
Total number of letters sent during year.....	437
Special G. U. letters	294
Special Gyn. letters	143
Total number of visits to clinic during year.....	789

LUETIC CLINIC STATISTICS—1938

Patients brought forward from December 31, 1937	554
New patients	187
Reinstated patients	14
Other patients seen in clinic	228
Cases not diagnosed but followed temporarily	29
Referred for lumbar punctures and further recommendations	27
Contacts seen in clinic and in medical clinic for blood tests and physical examinations	172
(Contacts—children referred elsewhere for blood tests and physical examination, 35)	

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Total membership during 1938	983
Closed during the year	147
Transferred to other hospitals and L. M. D.	46
To be followed in another clinic	34
Lost:	
Unable to locate	27
Refused to return	6
Moved to another state	6
Reported to Board of Health	18
Deceased	10
Present membership, December 31, 1938	608
Total number of visits during the year.....	7,757
Total number of lumbar punctures in Out-Door Department	115
Follow-up:	
Total number of letters sent	1,430
Total number of cases referred to state work- ers	426

There were 1,233 patients' visits to the Diabetic Clinic during the past year. Social Service does not provide insulin now from any of its relief funds. The responsibility of providing insulin has been taken over by the Hospital. Student dietitians have been most helpful in making follow-up calls to instruct patients showing a considerable amount of sugar or those who did not seem to understand the routine instructions given in the clinic. A volunteer clinic secretary has been in attendance during the year.

There were 1,569 patients' visits to the Dental Clinic. A volunteer clinic secretary has also been in attendance throughout the year.

The Red Cross Motor Corps made 2,376 trips to the Hospital bringing patients who were unable to travel on street cars. Great praise is due these drivers who give the use of their cars and so much of their time to this

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service. Snow, wind, or rain does not prevent them from carrying on their efficient work. Occasionally other arrangements have to be made for transportation of patients. About \$12.00 a month is used for taxi fares.

Members of the Junior League, Erskine School, and Kathleen Dell Secretarial School have served as volunteer workers, helping in several of the clinics.

The Social Service greatly appreciates the interest and assistance given by the Ladies' Committee who have met at the Hospital once a month except during the summer.

A list of the charitable agencies and private individuals who have contributed to the welfare of our patients with sums of money will be found listed in the first part of the report.

There were 1,252 postcards sent out for the Follow-Up Clinic and Tumor Clinic, and 677 letters.

One thousand nine steering letters were sent out by this department, and 98 miscellaneous letters.

This year a check for \$100.00 was given the department for Christmas baskets from the Mary A. Crabtree Fund.

There were 380 patients given some slight service in the general office not included in the other tables of statistics.

REPORT ON THE SOCIAL SERVICE DEPARTMENT

FINANCIAL REPORT—1938

This Department received from the Community Federation Drive of 1938, \$1,004.07, which was used for patients receiving Public Welfare Aid. \$800.00 was given the Department by the Permanent Charity Fund, Incorporated, for patients not on Public Welfare. \$1,432.27 was raised through other agencies and friends for special needs.

	Special Gift Fund	Permanent Charity Fund	Medical Relief for Patients on Welfare
Artificial teeth	\$ 52.82	\$ 74.50	\$ 118.30
Clothing	9.75	6.00	19.08
Convalescent care . . .	598.55	155.93	177.71
Glasses	33.46	30.35	73.00
Milk	3.00	....	36.20
Extra nourishment ..	30.00	37.71	....
Medical supplies	42.20	110.65	....
Surgical appliances ..	241.98	368.60	577.60
Christmas baskets* ..	231.00	....	....
Telephone calls	22.61	....	....
Transportation	30.00	32.15	39.35
Extra service for the follow-up of pa- tients*	168.50	....	....
Postage	2.25	....	....
Office supplies	14.35	....	....
Amount expended.	\$1,480.47	\$815.89	\$1,041.24
Balance on hand Jan. 1, 1938	\$ 110.27	\$ 21.61	\$ 47.38
Received	1,532.27	800.00	1,004.07
	\$1,642.54	\$821.61	\$1,051.45
Expended	1,480.47	815.89	1,041.24
Balance on hand Jan. 1, 1939	\$ 162.07	\$ 5.72	\$ 10.21

* Money given to the Department for this purpose.

PETER BENT BRIGHAM HOSPITAL

STAFF OF WORKERS

Head Worker—General Service

ALICE M. CHENEY, R.N.

General Medical Service—Arthritic Clinic

MARGERY L. CROTHERS

Cardiac Service

MRS. ELIZABETH K. LYONS, A.B., resigned June 1, 1938

BARBARA N. HARRINGTON, B.S., began June 20, 1938

Surgical Service—Tumor Clinic

MRS. GWENDOLYN M. WATKINS, A.B., M.A., resigned
May 16, 1938

MRS. MARY R. LAMBERT, B.A., B.S., began June 1, 1938

MRS. CAROLYN L. WHITE, began May 9, 1938

Psychiatric Clinic

MRS. GERNA S. WALKER, A.B., B.S.

Lutic Clinic

MRS. ADDIE COOLIDGE FAUST

BARBARA N. HARRINGTON, B.S., began June 20, 1938

Clerical Staff

KATHLEEN O'TOOLE

OLGA CAUHAPE

Summer Substitutes

MRS. CHARLOTTE M. ROBINS

MRS. ELINOR CALVER

General Volunteer Service

ANNA P. REVERE,

Head Volunteer

GERTRUDE HOOPER

ANN CAPPER

MARY LAVERACK

JEANNE CLARK

MRS. MARJORIE SPEAR

HELEN LEONARD

JOAN SHAW

JEAN MAHONEY

NATALIE WARREN

MILDRED YOUNG

MARY TRUESDALE

ESTHER ATWELL

MARY CAMPBELL

BARBARA TAYLOR

BARBARA GREENE

IRENE COOK

ALICE CALDWELL

SYLVIA BURNHAM

SHIRLEY QUINAN

RUTH WILSON

MRS. R. GEROULD

ESTHER MICHELSON

MRS. SOPHIE GENDELL

CLARICE BURACK

MARIETTA PEPI

ALICE M. CHENEY, R.N.,
Director, Social Service Department.

Report on the Social Service Department, 1914-1939

THIS REPORT is submitted to the Trustees for two specific reasons: first, to acquaint them more fully with the work and needs of the Social Service Department; and second, to indicate objectives toward which the Trustees, the Hospital, the Ladies' Committee, and the department itself might hope to work in the future.

EARLY WORK

When Miss Alice Cheney was appointed by the Hospital as its first social service worker in 1914, her duties were manifold, covering problems all over the Hospital. The need for social service work was still to be proved within the Hospital. It was definitely pioneer work in the Peter Bent Brigham.

At that time perhaps one of the greatest services that she rendered the Hospital was in constantly freeing beds of patients with chronic diseases, by arranging for their transfer to convalescent homes. These patients could no longer be helped at the Peter Bent but would have stayed on in the Hospital because they had no place to go.

CLINICAL WORK

Gradually there developed a clearer understanding by the Hospital staff of the value of the service rendered by a social service department, and calls for help from many of the clinics increased. Among the earliest of the clinics to be social-service-minded were the diabetic in 1916, the luetic in 1921, and the cardiac in 1923. Steadily growing to meet these demands, the department has

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supplied workers to one clinic after another, such as the gastric, the venereal, the arthritic, the tumor, and the dental—the amount of work in each clinic varying according to the demand. In certain clinics, such as the psychiatric, the services of a social worker are essential.

Efficient clerical work is also necessary. At present two stenographers serve six workers, take care of all the correspondence entailed by follow-up work and investigation of the home care of patients, arrange for all transportation of patients, do the filing, and keep the case records.

SPECIAL SERVICES

There are also valuable “special services” rendered by the Social Service Department, such as:

Occupational Therapy. An occupational therapist was in the Department from 1919 to 1930, and did invaluable work.

“Recuperation” Services. Approximately 300 patients with chronic diseases are placed in sanatoria or institutions by Social Service every year. An equal number are sent to convalescent homes to recuperate from operations or short illnesses. In these cases home conditions or the type of the illness preclude the possibility of the patient’s going direct to his own home from the Hospital.

Psychiatry. A year ago a trained psychiatric worker was added to the staff. An interesting departure in this field has been a clinic for adolescents on Saturday mornings, where behavior problems are analysed and treated, and defects in home and school are corrected before they leave their permanent mark. Each patient is interviewed by the psychiatric worker before seeing the psychiatrist, and a detailed history is drawn up, thus providing a record of the case should it later be referred to social service.

Research Work. Every efficient social service department, in developing cooperation between medicine and social work, must interest itself also in the field of research. Our Social Service Department has undertaken its share in this field, by

REPORT ON THE SOCIAL SERVICE DEPARTMENT

- 1927 A study of the chronic sick, undertaken by the Boston Council.
- 1927 A study of the interrelationship of hospital work and the public health nurse.
- 1927 A study of diabetics, entailing examination of medical records of more than 400 cases for tabulation.
- 1931 A study of possible communicability of acute rheumatic infection.
- 1931 A study of a group of patients in the gastro-intestinal clinic, to determine the influence of emotional and mental upsets and long working hours.

VOLUNTEER SERVICES

The Social Service Department has greatly benefited by volunteer service, which began in 1914 with three ladies who generously gave many valuable hours of their time. This has increased during the years until now the Volunteer Service is an organized group under the direction of Miss Anna Revere. Volunteer aid is received from:

The Junior League, which sends many volunteers, some of whom serve as secretaries in the clinics.

Private Schools, such as the Erskine School and the Kathleen Dell School, whose students are particularly interested in this type of work.

Simmons College, Stoneleigh College, which have sent its students to do field work.

The Women's Motor Detachment of the American Red Cross (since 1917), which has rendered invaluable service by providing transportation of patients to and from the Hospital, making 200 trips the first year and 2,376 trips in 1938.

FUNDS

Financial aid to carry on this all-important work is received from various sources:

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The Permanent Charity Fund has contributed from \$2,000 to \$3,500 a year, from 1918 to the present.

The Community Federation has made generous grants since it was organized in 1933.

Special Appeals. Letters written in "Divers Good Causes" in the *Transcript* have brought in funds for special cases.

Other Agencies. Particular charitable agencies in Boston have given aid in cases falling within their special spheres of work.

The Ladies' Committee has succeeded in raising from \$3,500 to \$6,550 each year since 1922, through securing the interest of individuals and by giving entertainments, which also bring publicity to the work of the Hospital.

RÉSUMÉ

To give a brief but inclusive summary of the work of the Social Service Department is not an easy task. Beginning with Miss Cheney alone in 1914, it cost that first year only her salary (\$1,200); it served its first year only 365 patients; it was chiefly pioneer work in the Peter Bent Brigham. The years 1928 and 1929 saw the department rise to the peak of its efficiency, since in those years its budget had increased to \$8,816 (not including Miss Cheney's salary), thus making possible a staff of five workers (besides Miss Cheney) and two stenographers. On the staff at that time were such highly trained workers as Miss Andren and Miss Crothers. Inevitably, as financial aid has decreased, we have had to lose the services of people like Miss Andren, and have had to depend on less well-trained workers at much lower salaries (save for one or two exceptions, like Miss Crothers who has stayed on in spite of the difficulties facing the department). Last year, although its budget had shrunk to \$8,010 Social Service served 2,170 patients. It has long passed the pioneer stage in the Peter Bent Brigham; it is an essential part of the Hospital.

REPORT ON THE SOCIAL SERVICE DEPARTMENT

Year	Budget	Number of Workers	Stenographic Clerks	Number of Patients
1914	\$1,200	1*	..	365
1928-29	8,816†	5*	2	1,225
1938	8,010†	6	2	2,170

Social Service has two important aspects, the humanitarian and the economic. To emphasize the humanitarian side we cannot do better than to quote from Miss Cheney's Twenty-five Year Report: "One of the important duties of the social worker is to restore a feeling of courage in the patients and to reestablish their self-respect. By friendships with individual patients it becomes possible through them to reach medically other members of their families. To find out why patients do not return for necessary treatment, to educate them to the need of continuing their visits over a sufficiently long period, to become familiar with the social background of each case, to work out with parents better facilities for rest and play for young patients, to help reestablish a proper mental balance (as in the psychiatric cases)—all this is now an integral part of hospital work." It is well recognized that social and physical conditions are interdependent and that much of social service is actually preventive medicine. It is at the same time an economic asset to the Hospital itself, since through its workers the Hospital's highly specialized service is not wasted but is made available to those most capable of benefiting from it. From both the humanitarian and the economic standpoint, Social Service becomes Public Service. It ameliorates the menace to the Hospital, the community, and the state, of mental, moral, and physical human wreckage, which otherwise is thrown back on them for care.

* Miss Cheney, occupational therapist.
† Does not include Miss Cheney's salary, which is paid by the Hospital.

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Social Service is still further an asset since well-trained and well-paid workers help to raise the standard and the standing of the Hospital, and help to keep up the morale within the Hospital itself. This again keeps alive outside interest and sympathy which otherwise becomes inactive and sluggish, and indirectly affects the financial return to the Hospital.

In conclusion, the Ladies' Committee would like to put on record their very great appreciation of Miss Cheney's work. None of us can fully realize how much of a burden she has carried in the years of depression when the Hospital has been faced with great financial difficulties. In the last nine years since 1929, she has done a remarkable piece of work in reducing the expenses of the department in ways which have least handicapped the work and the morale of the department. She has met the trying and discouraging problem of reduction instead of expansion with unfailing cheerfulness and cooperation.

Respectfully submitted,

(Signed) MARJORIE C. FORBES,

MRS. F. MURRAY FORBES,

For the Ladies' Committee.

Report of the Pathologist

THE FIGURES for the Department are as follows:

Autopsies, Medical Service.....	132
Autopsies, Surgical Service.....	54
Total number of autopsies recorded.....	186
Reports on surgical specimens.....	1,798
Reports on bacteriological specimens	1,934
Guinea pig inoculations for suspected tubercu- losis	202
Ascheim-Zondek Tests	84
Total	4,018

The percentage of autopsies for the year, excluding cases taken over by the Medical Examiner, is 60+ % for the entire Hospital; 59+ % for the Medical Service, and 62+ % for the Surgical Service.

TABLE 1

The number and percentage of autopsies for all years are :

Year	Number	Per cent
1937	207	60.0
1936	216	65.0
1935	182	63.0
1934	220	74.0
1933	177	64.0
1932	179	69.0
1931	219	75.0
1930	192	64.4
1929	240	68.6
1928	219	59.6
1927	196	63.4
1926	179	62.0
1925	204	70.7
1924	177	70.0

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1923		153	58.0
1922		174	68.0
1921		158	62.8
1920		155	58.2
1919		102	40.0
1918		145	40.0
1917		114	55.6
1916	.....	113	49.5
1915	.....	101	47.6
1913 and 1914	.....	147	58.5

TABLE 2

The number of surgical and bacteriological examinations made each year are :

Year	Number
1937	4,111
1936	3,857
1935	3,973
1934	3,593
1933	3,249
1932	2,730
1931	2,615
1930	2,577
1929	2,649
1928	3,497
1927	2,821
1926	3,101
1925	2,613
1924	2,819
1923	2,708
1922	2,391
1921	1,984
1920	1,826
1919	1,628
1918	2,224
1917	1,248
1916	1,140
1915	1,030
1914	847
1913	299

REPORT OF THE PATHOLOGIST

Changes in the staff in the last year were as follows:

Dr. Darrell Ayer continues as Resident Pathologist.

Dr. Charles M. Campbell continues as House Officer until Jan. 1, 1939.

Dr. Donald C. McCollum succeeded Dr. H. J. Tweddell as House Officer, July 1, 1938.

Dr. Chilton Crane Voluntary Graduate Assistant, September 1, 1938, for a period of six months.

Publications printed since the last annual report are:

(BESSEY, OTTO A.), and WOLBACH, S. B.: Vitamin A. Physiology and Pathology. J.A.M.A. 1938, 110, 2072-2080.

(SCHNITKER, MAX T.), and AYER, DARRELL: The Primary Melanomas of the Leptomeninges. A Clinico-Pathologic Study with a Review of the Literature and the Report of an Additional Case. Journal of Nervous and Mental Disease, 87:1, Jan. 1938, pages 45-73.

S. B. WOLBACH,
Pathologist.

Report of the Surgeon-in-Chief

INTRODUCTION. With the fragrance and stimulus of our twenty-fifth celebration still with us we wish to remind those alumni who did not attend the ceremonies that a complete transcript of the public ceremonies, May 7, 1938, was published in the *New England Journal of Medicine*, volume 219, pages 183 to 193, August 11, 1938.* It would appear as if this date were the signal for great changes in our staff, and it is with deep regret that the Hospital accepted the resignation of Dr. Joseph B. Howland, its Superintendent, on December 31, 1938. This loss is to be followed, as we all know, by the resignations of Dr. Henry A. Christian in the fall of 1939 and of Dr. David Cheever in the spring of the same year. These three great characters about whom is built so much of the splendid tradition of the Hospital will all too soon be lost from our active rolls, but we who remain hope that their presence and example will long decorate the "pike" and all parts of the Hospital and that the tradition of the goodness of their work and spirit may descend to many generations of Brigham pupils.

A chief concern to our alumni has been the appointments of Dr. Soma Weiss to succeed Dr. Christian and of Dr. Norbert A. Wilhelm to succeed Dr. Howland.

Dr. Weiss comes to us from the Boston City Hospital where he has been since 1925. After graduation from the Cornell Medical School in 1923, he was brought to Boston by the late Dr. Francis Peabody, and the vigor and brilliance of his abilities have led to rapid advancement both on the Boston City Hospital Staff and on the Faculty of the Harvard Medical School. He has

* Reprints are available and will be mailed gladly to those who will direct their request to the Superintendent of the Hospital.

REPORT OF THE SURGEON-IN-CHIEF

those qualities which we at the Hospital feel are essential for our Physician-in-Chief. He has proved himself an able clinician and has evinced a dominant interest in clinical medicine. He has shown great abilities as a teacher, and no member of the Faculty of the Harvard Medical School has a more devoted following among the better students in the school. He is a productive scholar and his publications give evidence of the catholicity of his interests in clinical medicine. We welcome him to our family with all the warmth at our command and look forward with great optimism and satisfaction to years of cooperative effort for the good of our Hospital.

Dr. Wilhelm, who succeeds Dr. Howland, is well known to us, for from 1930 to 1937 he acted as Assistant Superintendent at the Peter Bent Brigham Hospital and experienced the benefit of Dr. Howland's training. During this period he gave evidence of an unusual openness of mind to the ever-changing administrative problems and in his interim experience as Superintendent of the Butterworth Hospital, Grand Rapids, Michigan, he won the complete support of his professional colleagues as well as his Trustees. We know that cooperation and a desire for progress are supported by great ability in this important field. As has been made clear in previous reports, we are shortly to embark on physical changes in which the training and outlook of our Superintendent will be a dominant factor. We who know Dr. Wilhelm look forward with confidence and satisfaction to the task we must all accomplish as a team.

Notice should be given here of the death of Dr. Emmet Rixford, who was Surgeon-in-Chief *pro tempore* in 1927, and who died in the Brigham Hospital January 2, 1938; and of the death of our original Roentgenologist, Dr. Alfred Luger, July 10, 1938.

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With the advent of new personalities have come certain changes. Dr. Weiss and I have agreed to consolidate our two biochemical laboratories and with a gift from the President of the Board of Trustees and with funds secured by Dr. Weiss for a chemist the major Medical Laboratory is being refitted and equipped and should soon function as good a clinical biochemical laboratory as exists in New England. At the same time the space for Pathology is to be increased by removing the Patients' Library from the Chapel. This space with other adjustments will provide a satisfactory area for more extensive bacteriological work. As a part of this attempt to provide more space for laboratory and investigative work, the Trustees have been generous in permitting us the use of Ward A-Ground for laboratories and here are or will be set up (1) a laboratory for the special study of peripheral vascular disease, (2) space for the study of high temperature effects, (3) the basal metabolism laboratory, (4) the allergy laboratory, and (5) room for special physiological investigation. All these changes aim at a more complete utilization of our clinical material and represent the traditional Brigham spirit of study and investigation begun by our original chiefs of service. That our Trustees can see the need for these changes and have brought assistance to us, even in our difficult financial situation, gives great satisfaction to the staff and allows us much hope for future progress.

The Surgical Service has seen no major changes. The Resident Service remains the same and since, in these days of specialization, we are almost the only general hospital left with a single service on which appear all types of surgical work, applications for the opportunity to work with us are countless. In most teaching hospitals gynecology, urology, otolaryngology, and neurological

REPORT OF THE SURGEON-IN-CHIEF

surgery are separate services. This means that if the young surgeon is to receive a general training, he must secure at least an assistant resident's post or its equivalent on several services. Such a rotation is almost impossible and as a result breadth of training, which is the foundation for later education, is sacrificed. The demands of the American Board of Surgery have been a major influence in securing effective training for the young surgeon. It should be a satisfaction to Brigham Alumni that the Surgical Service here, modified since its inception only by the addition to the interne service of the year at the Children's Hospital, is one of the few in which no changes had to be made to fit the complete requirements of the Board before accepting candidates for examination. The routine training of the young surgeon at the Peter Bent Brigham Hospital consists of (1) the joint Peter Bent Brigham Hospital-Children's Hospital internship of twenty-nine months, (2) a year in a laboratory for which we have each year three fellowships: the Arthur Tracy Cabot Fellowship, the Harvey Cushing Fellowship, and the George Gorham Peters Fellowship, (3) the Assistant Residency of sixteen months, and (4) the Residency.

The supply of clinical material with approximately two thousand operations a year is ample and varied. We should like a little more thoracic work, which can probably be arranged, and I am in hopes that soon the otolaryngological work will justify the addition of an assistant resident in that field so that the scope of our training may be further broadened. That our service is desirable is represented by the fact that five of our next six internes came from the top of the present graduating class at the Harvard Medical School, these five being members of the Alpha Omega Alpha Society.

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Surgeon-in-Chief pro tempore. It is a pleasure to recall the visit of Dr. Emil Goetsch as Surgeon-in-Chief *pro tempore*, April 18 to 23, 1938. Dr. Goetsch was the first Resident Surgeon of this Hospital. Many of the customs of this important office were set by him in those days. Since I am one of those who owe him a deep debt of gratitude for the calmness, precision, and thoroughness with which he inculcated in the internes of our earliest days good surgical technique, I feel that I perhaps enjoyed this visit and benefited as much from his teaching as any member of our house staff. Dr. Christian and I chose early Residents as our *pro tempore* visitors this year that we might emphasize more fully the Hospital's traditions for teaching and investigation, and record with pleasure that Dr. Goetsch for the Surgical Department and Dr. Blake for the Medical Department lived up to our highest expectations.

Changes in Staff. Dr. John Dunphy, who had been *Resident Surgeon* since December 1, 1936, resigned March 1, 1938, to become *George Gorham Peters Traveling Fellow* and went to Europe for further experience. On his return in October, 1938, he succeeded Dr. John Bell as *Arthur Tracy Cabot Fellow*. Dr. Dunphy was succeeded as *Resident Surgeon* by Dr. Richard Warren, who had already been Assistant Resident Surgeon and who, although he had never been an interne at the Brigham Hospital, fulfilled the duties of this high post with credit and devotion. Dr. Warren resigned and went to the University of Pennsylvania Hospital, Philadelphia, in September, 1938, where he is putting in a mixed clinical and laboratory year with the group of men led by Drs. Abbot and Miller, who have so greatly contributed to the field of gastroenterology. Dr. Warren was succeeded September 1, 1938, as *Resident Surgeon* by Dr. Robert Gross. Dr. Gross had been successively

REPORT OF THE SURGEON-IN-CHIEF

Resident Pathologist, Assistant Resident Surgeon, and George Gorham Peters Traveling Fellow and Resident Surgeon at the Children's Hospital, Boston, before taking over this important position.

The succession of *Assistant Resident Surgeons* has been as follows: In November, 1937, Dr. William S. McCune came to us from the Massachusetts General Hospital and succeeded Dr. Quigley. In March Dr. James B. Blodgett, who had already been an interne, moved up to succeed Dr. Warren. In June Dr. Paul D. Giddings moved up from interne to succeed Dr. Reiter, and in November Dr. John F. Bell, previously an interne and from October, 1937, to October, 1938, Arthur Tracy Cabot Fellow, moved in to succeed Dr. Harrison. Dr. Reiter on leaving us has settled in Bridgeport, Connecticut, and commenced there the practice of surgery, and Dr. Harrison has remained with us as Harvey Cushing Fellow, devoting his time largely to investigative work and teaching.

Dr. George Austen, Jr., succeeded Mr. A. Ruscoe Clarke as *Urological Fellow*, July 1, 1938. Dr. Austen had previously been a surgical interne at St. Luke's Hospital, New York City, and at the Children's Hospital, Boston.

Several men benefited from the generous fellowship established by Dr. Cushing. Dr. Michel Pijoan continued his labor in our biochemical laboratories. Dr. John L. Keeley, who stayed on in our laboratory as *Harvey Cushing Fellow* following his year as Arthur Tracy Cabot Fellow, left us in August to go to the University of Louisiana Medical School as Instructor in Surgery. Dr. Max T. Schnitker, who had been with us as Assistant Resident Surgeon and Neurosurgical Fellow continued his Cushing Fellowship with studies under Mr. Hugh Cairns at Oxford, England.

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Joint Interneship with Children's Hospital Surgical Service. The new joint interneships have proved highly satisfactory to both the men taking them and to us of the staff who have noticed already the greater maturity of opinion and therefore the greater ability of our internes. We were still in 1938 passing through the transitional period. This is evident in the fact that Dr. James W. Hawkins, who came on in February, and Dr. Frederick J. Lesemann, Jr., who came on in June, had not been through the Children's Hospital service. Dr. Hawkins, after graduating from Harvard Medical School in 1934, served his interneship at the Cincinnati General Hospital, while Dr. Lesemann spent the year following his graduation from the Harvard Medical School in 1937 in the Pathological Laboratory of the Boston City Hospital. But Dr. Claire F. Goeringer, who came on in April, Dr. John H. Kennard, in August, Dr. Dean W. Tanner, in October, and Dr. John A. Sandmeyer, in December, each had been a year at the Children's Hospital. All of these men, with the exception of Dr. Goeringer, a graduate of Johns Hopkins Medical School, had been through the Harvard Medical School. These men replaced Drs. Blodgett and Giddings who, as recorded above, moved up to the post of Assistant Resident Surgeon, and Dr. Botsford, who became Resident Surgeon at the Children's Hospital in August, Dr. Tyler, who left to work in pathology at St. Luke's Hospital, New York City, and Dr. Campbell, who transferred back to the Children's Hospital to work in neurosurgery.

The fact that twenty-three of the publications for the year represent efforts of members of the House and Laboratory Staffs is an indication of the continued drive and thirst for investigation which has from our beginning characterized the Brigham Hospital spirit.

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Table A, which is presented to picture the diversification of clinical material, shows no very serious shift in the type of surgery performed. Comment might be made on the increased number of cases under diseases of the Circulatory System and the continued drop in thoracic procedures. The increased orthopedic work is

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TABLE A

STATISTICAL STUDY OF VARIETY OF CLINICAL MATERIAL
Based on Operations Performed

	1933	1934	1935	1936	1937	1938
Neurological:						
Central Nervous System.....Major	76	70	38	42	34	34
Minor	80	80	78	66	52	42
Peripheral Nervous System.....	20	2	11	11	6	9
Thyroid	75	89	59	52	54	55
Thorax	54	69	79	54	36	13
Minor	20	36	14	20	25	26
Bronchoscopy	8	17	15	27	31	17
Breast	47	32	38	42	51	37
Circulatory System:						
Heart and Pericardium.....	1	1	3	1	1	5
Blood vessels	23	19	36	70	88	112
Abdomen:						
Stomach	38	45	43	46	35	30
Gall-bladder	99	88	92	81	85	101
Appendix	155	165	135	144	175	159
Small Intestine	11	11	10	14	15	17
Large Intestine	69	50	39	47	64	57
Minor	107	82	70	55	88	71
Hernia	128	169	120	100	123	107
Bones and Joints:						
Fractures	10	33	35	30	35	37
Other Diseases	76	54	53	41	81	79
Plaster of Paris Dressings	66	91	85	86	69	87
Gynecology	193	192	185	191	154	178
Major	167	152	119	129	149	127
Minor	35	25	24	23	48	17
Genito-urinary	162	273	159	181	175	155
Major	...	...	36	58	41	31
Minor	468	641	579	632	508	566
Cystoscopy	58	97	111	123	180	168
I. V. Pyelograms	64	35	106	95	62	81
Miscellaneous Major Operations.....						
Minor Operations:						
Nose, Ear, Throat	145	170	195	188	182	220
Dental	102	96	68	95	67	83
Transfusions	28	76	58	71	23	16
Miscellaneous	210	268	225	326	249	270
Total	2,795	3,229	2,918	3,141	2,986	3,007

reflected in the disorders of Bones and Joints, and the devotion of a few beds to Dr. Lyman Richards and his department of Otolaryngology is seen in the increased

REPORT OF THE SURGEON-IN-CHIEF

number of patients in the diseases of the Ear, Nose, and Throat.

TABLE B
HOSPITAL STATISTICS—DEPARTMENT OF SURGERY
1913-1938

YEAR	Total Discharges	Deaths	General mor- tality %	Autopsy % exclusive medico-legal	Patients oper- ated upon	Case % op- erated upon	Operations recorded†	Post-operative deaths	Case mortality %	Operative mor- tality %
1913	690	35	5.00	43.4	477	69.1	693	29	6.1	4.2
1914	1474	83	5.63	43.4	992	67.3	1361	61	6.1	4.5
1915	1869	89	4.76	48.0	1328	71.1	1526	72	5.4	4.7
1916	2014	93	4.61	56.5	1422	70.6	1632	68	4.8	4.1
1917	2021	71	3.66	35.1	1457	72.1	1639	54	3.7	3.2
1918	1856	71	3.82	43.6	1304	70.2	1474	61	4.7	4.1
1919	2123	102	4.80	46.5	1411	66.5	1563	79	5.6	5.1
1920	2090	91	4.35	57.0	1399	66.9	1602	69	4.9	4.3
1921	2195	107	4.87	61.0	1405	64.0	1591	86	6.1	5.3
1922	2274	110	4.83	66.0	1517	66.7	1552	71	4.7	4.5
1923	2397	135	5.62	52.5	1646	68.7	1713	81	4.9	4.7
1924	2508	144	5.74	72.5	1783	71.1	1843	75	4.2	4.1
1925	2578	134	5.19	68.0	1667	64.7	1762	72	4.3	4.1
1926	2415	143	5.92	60.6	1663	68.9	1789	87	5.2	4.8
1927	2474	135	5.95	65.5	1735	70.1	1858	79	4.5	4.3
1928	2577	135	5.24	64.8	1750	67.9	1930	89	5.1	4.2
1929	2574	136	5.28	69.8	1708	66.3	1874	80	4.7	4.3
1930	2388	109	4.14	79.2	1714	71.8	1892	71	4.1	3.2
1931	2375	125	5.68	82.6	1670	70.3	1849	68	4.1	3.7
1932	2407	129	5.36	71.8	1723	71.5	2337	84	4.8	3.6
1933	2636	133	5.04	61.6	1848	70.1	2132	103	5.5	4.8
1934	2747	130	4.73	77.4	1992	72.5	2311	104	5.2	4.5
1935	2600	102	3.92	67.4	1848	71.1	2143	77	4.2	3.6
1936	2918	115	3.94	71.1	1982	67.9	2379	87	4.4	3.6
1937	2905	123	4.23	66.0	1935	66.6	2375	87	4.5	3.7
1938	2781	101	3.63	63.8	1840	66.2	2210	74	4.0	3.3

Table B is the sort of score card all hospitals should keep. The turnover seems about the same, but there is a very happy decrease in the mortality rate.

Respectfully submitted,
ELLIOTT C. CUTLER,
Surgeon-in-Chief.

DECEMBER 31, 1938.

Report of the Physician-in-Chief

THE YEAR 1938 has been an important one in various ways for the Peter Bent Brigham Hospital, for its Medical Service and for its Physician-in-Chief as set forth in the following report. The actual routine of ward and out-door department medical services has continued throughout 1938 without any significant changes.*

Changes in Staff. Dr. George P. Denny, former Medical House Officer, 1913-14, after having served as Associate in Medicine for twenty-three years, resigned at the end of the year from the visiting staff in order to devote his time more completely to practice. He gave valued and appreciated service to the Hospital and his resignation was accepted with regret.

Dr. Maurice A. Schnitker, M.D. University of Michigan, 1931, resigned on November 1, 1938, from the position of Resident Physician, to commence practice in Toledo, Ohio. Medical House Officer, February 15, 1932-July 1, 1933, Assistant Resident, July 1, 1933-August 1, 1936 and Resident Physician, August 1, 1936-November 1, 1938, Dr. Schnitker made a unique record for efficiency in each of these posts. Systematic, dependable, enthusiastic, widely read with a retentive mind and sound clinical judgment, to him increasingly was given responsibility, responsibility always adequately measured up to; in the years to come these qualities, as I learned to know them at the Peter Bent Brigham Hospital, will, I feel sure, bring to him great success in whatever he undertakes. Dr. Schnitker's position as Resident Physician has been filled by the promotion of Dr. Alfred W. Harris, M.D., Washington University, 1935,

* Correction.—In the last annual report, page 2 of the report of the Physician-in-Chief in the reference to the staff table cloth the date should be 1912, not 1937.

REPORT OF THE PHYSICIAN-IN-CHIEF

Interne and Resident in Medicine, St. Paul's Hospital, Dallas, Tex., 1935-36, Assistant Resident Physician, January 1, 1937-January 1, 1938, Voluntary Graduate Assistant, January 1-July 1, 1938, Assistant Resident Physician, July 1-November 1, 1938, at the Peter Bent Brigham Hospital.

During 1938 Drs. Edward Massie, Richard H. Lyons, Jesse C. Lockhart, Harald N. Johnson and Roger W. Robinson resigned as Assistant Resident Physicians, Dr. Massie to return to Barnes Hospital, St. Louis, as their Resident Physician, Dr. Lyons to return to Ann Arbor, Mich., as Resident in Medicine at the University of Michigan Hospital, Dr. Lockhart to continue here as Voluntary Graduate Assistant at the Peter Bent Brigham Hospital and Research Assistant in Medicine at the Harvard Medical School, now (1939) just appointed to become Resident Physician at the Hospital of the University of California, San Francisco and Dr. Robinson to commence practice at Worcester, Mass. They have been succeeded by Dr. Daniel M. Swan, M.D., University of Rochester, '35, formerly Interne, Rhode Island Hospital; Dr. Draper Warren, M.D., McGill University, '37, formerly Medical Interne, Baltimore City Hospital; Dr. William C. McClure, M.D., University of Oklahoma, '36, formerly Medical House Officer, Peter Bent Brigham Hospital; Dr. Francis F. Rosenbaum, M.D., University of Michigan, '36, formerly Interne and Assistant Resident, University of Michigan Hospital; Dr. Roy L. Swank, M.D., Northwestern University, '34, formerly Medical House Officer, Peter Bent Brigham Hospital, and Dr. Reno R. Porter, M.D., Medical College of Virginia, '35, formerly Assistant Resident in Medicine, Wisconsin General Hospital.

As Medical House Officers the following men completed their service and commenced other work; Dr.

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Max Kutzer, M.D., Harvard University, '36, to become Assistant Resident Physician at the Hospital of the Good Shepherd, Syracuse, N. Y.; Dr. George H. Reifenstein, M.D., Syracuse University, '36, to become Instructor in Pathology, Syracuse University; Dr. Milton R. Weed, M.D., Harvard University, '36, to become Resident in Medicine at the Receiving Hospital, Detroit, Mich.; Dr. Francis J. Brown, M.D., Northwestern University, '36, to become Fellow in Medicine at Northwestern University; Dr. William C. McClure, M.D., University of Oklahoma, '36, to become Assistant Resident Physician at the Peter Bent Brigham Hospital; Dr. Richard N. Tillman, M.D., Johns Hopkins University, '36, to become Resident in Medicine at the University of Michigan Hospital, Ann Arbor, Mich.; Dr. John B. O'Connor, M.D., Harvard University, '34, to become Assistant Resident Physician at the William Wirt Winchester Hospital, West Haven, Conn.; Dr. Karl Shepard, M.D., Harvard University, '35, to become Interne at Duke Hospital, Durham, N. C., and Dr. Edward J. Welch, M.D., Harvard University, '36, to become Assistant Physician at the Middlesex County Sanatorium, Waltham, Mass.

Physician-in-Chief, pro tempore. In 1938 Dr. Francis G. Blake, Sterling Professor of Medicine at Yale University and Physician-in-Chief, New Haven Hospital, New Haven, Conn., came to serve with us as the twenty-fifth Physician-in-Chief, *pro tempore*. Medical House Officer, 1913-14, Assistant Resident Physician, 1914-15, Resident Physician, 1915-16, at the Peter Bent Brigham Hospital, Dr. Blake brought to us those qualities of character and professional training which he had shown in his prior services at the Peter Bent Brigham Hospital, matured by his subsequent appointments as Moseley

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Traveling Fellow of Harvard University, 1916-17, Assistant, Rockefeller Institute Hospital, 1916-17, Assistant Professor of Medicine, University of Minnesota, 1917-19, Associate in Medicine, Rockefeller Institute Hospital, 1919-20, Associate Member in Medicine, Rockefeller Institute, 1920-21, Member Board of Scientific Directors, Rockefeller Institute, 1924-35, Chairman, Division Medical Sciences, National Research Council, 1933-36, since 1927 Sterling Professor of Medicine at Yale. Quiet, incisive, logical as teacher and clinician, highly trained in the technique and lore of medicine, Dr. Blake made an effective leader in our ward visits and other Hospital exercises from whom we learned much. We greatly appreciated his willingness to serve us as Physician-in-Chief, *pro tempore*.

The custom of having a yearly Physician-in-Chief, *pro tempore*, was inaugurated in the first year of the Medical Service of the Peter Bent Brigham Hospital by the late Dr. William S. Thayer of the Johns Hopkins University and Hospital, a former teacher of the Physician-in-Chief; so it is fitting that the twenty-fifth should be the earliest surviving Resident Physician at the Peter Bent Brigham Hospital. For 1939 it is planned to invite back those who from the beginning of the custom have come to us in the capacity of Physician-in-Chief, *pro tempore*, and already many of them have accepted the invitation. Of the twenty-five past Physicians-in-Chief, *pro tempore*, happily all are alive but Drs. William S. Thayer, A. Walter Hewlett, Frank Billings, H. R. M. Landis, Thomas McCrae, Campbell P. Howard and Alfred Stengel, Physicians-in-Chief, *pro tempore*, in 1913, 1915, 1916, 1919, 1921, 1931 and 1934, respectively. Hans Christian Jacobaeus, Professor of Medicine of the Caroline Institute and Chief of the Second Medical Clinic of the Seraphimer Hospital at Stock-

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holm, accepted our invitation to serve as Physician-in-Chief, *pro tempore*, in the year 1938, but alas he died October 29, 1937, of coronary thrombosis, a great loss to medicine, to which he had made many important contributions, notable among which was his development of thorascopy, intrathoracal galvanocautery technique and bronchspirometry.

Retirement of Dr. Howland. The passing years are closing one by one the roll to those who shared in the beginnings and in the earlier years of the development of the Peter Bent Brigham Hospital. With the end of 1938 came the retirement of Dr. Joseph B. Howland, our second Superintendent. For almost twenty years he worked wisely, intelligently, to maintain the efficiency of the Hospital and to lighten the burden of the work of all on the staff of the Hospital. A skilled hospital administrator, quiet in manner, diplomatic but not lacking in forcefulness, wise in many of the ways of medicine, a gentleman in the best sense of that word, he endeared himself to those who worked with and under him and became their friend and counsellor. We, none more than I, disliked to see him leave, although we realized the inevitableness of his departure.

A New Superintendent. In succession to Dr. Howland as Superintendent we welcome Dr. Norbert A. Wilhelm. From July 20, 1930 to April 1, 1937, Dr. Wilhelm was associated with our administrative staff; then he was superintendent of Butterworth Hospital, Grand Rapids, Mich. Knowing so well the quality of his work, while he was at the Peter Bent Brigham Hospital, and hearing such fine reports of what he was accomplishing at Grand Rapids, it is no wonder that we wanted him back as Dr. Howland's successor. That he has come is a great satisfaction to all of us.

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Publications for 1938. During 1938 certain lines of investigation have been pursued by the members of the staff, as shown by the following list of publications. Some of these represent work actually done in the preceding year, but, according to our custom, are noted in the Annual Report only after their completion and publication, thereby avoiding duplication in being noted once when the work is under way and the second time when completed and published.

CHRISTIAN, HENRY A.: The Fruition of the Clinician. *Science*, 87, 202, 1938.

— A Hospital Comes to Town—The Story of the Peter Bent Brigham Hospital in Boston. *N. Eng. J. Med.*, 219, 186, 1938.

— The Lure of Medicine. *Virginia M. Monthly*, 65, 515, 1938.

— The Waterhouse-Friderichsen Syndrome; Fulminating Meningococcemia with Adrenal Hemorrhage. *Oxford Medicine*, Oxford University Press, New York, 5:106 (5), 1938.

— A Glomerular Dominance in Bright's Disease. *Am. J. Med. Sci.*, 196, 761, 1938.

BURWELL, C. SIDNEY: The Placenta as a Modified Arterio-venous Fistula, Considered in Relation to the Circulatory Adjustments to Pregnancy. *Am. J. Med. Sci.*, 195, 1, 1938.

BURWELL, C. S., and BLALOCK, ALFRED: Chronic Constrictive Pericarditis. Physiologic and Pathologic Considerations. *J. A. M. A.*, 110, 265, 1938.

BURWELL, C. SIDNEY, KING, ROBERT L., and WHITE, PAUL D.: Some Notes on the Anatomy of the Elephant's Heart. *Am. Heart J.*, 16, 734, 1938.

BURWELL, C. S., STRAYHORN, W. D., FLICKINGER, DON, CORLETTA, M. B., BOWERMAN, E. P., and KENNEDY, J. A.: Circulation During Pregnancy. *Arch. Int. Med.*, 62, 979, 1938.

FULTON, MARSHALL N.: Some Atypical Features of Hyperthyroidism. *Trans. Am. Clin. & Climat. Assoc.*, in press.

FULTON, MARSHALL N., SCHNITKER, MAURICE A., and CUTLER, ELLIOTT C.: Recurrent and Persistent Thyrotoxicosis

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- Following Thyroidectomy. *Western J. Surg., Obstet. & Gyn.*, 46, 619, 1938.
- ALSEVER, JOHN B. and LEVINE, SAMUEL A.: The Immediate Effect of Mercurial Diuretics on the Vital Capacity of the Lungs. *Am. Heart J.*, 15, 201, 1938.
- AUB, J. C., EVANS, R. D., GALLAGHER, D. M. and TIBBETTS, D. M.: Studies of Calcium and Phosphorus Metabolism. XXIII. Effects of Treatment on Radium and Calcium Metabolism in the Human Body. *Ann. Int. Med.*, 11, 1443, 1938.
- BLOTNER, HARRY: Late Results Following the Use of Insulin in One Hundred Cases of Malnutrition. *N. Eng. J. Med.*, 218, 371, 1938.
- Fatty Atrophy Following Insulin Injection in Nondiabetic Malnutrition. *Endocrinology*, 23, 233, 1938.
- BOONE, JOHN A.: Hyperpyrexia as a Complication of Rheumatic Fever; Report of a Case. *Am. Heart J.*, 15, 119, 1938.
- EMERY, EDWARD S., JR.: Progress in Gastroenterology in 1936 and 1937. *N. Eng. J. Med.*, 219, 42, 1938.
- EMERY, EDWARD S., JR. and SCHNITKER, MAURICE A.: Peptic Ulcer: The Effect of the Administration of Bile on the Behavior of the Disease. *Ann. Int. Med.*, 11, 2007, 1938.
- EMERY, EDWARD S., JR. and RUTHERFORD, ROBERT B.: Studies on the Use of Aluminum Hydroxide Gel in the Treatment of Peptic Ulcer. *Am. J. Digest. Dis.*, 5, 486, 1938.
- EPPINGER, EUGENE C. and KENNEDY, J. ALLEN: The Cause of Death in Coronary Thrombosis. With Special Reference to Pulmonary Embolism. *Am. J. Med. Sci.*, 195, 104, 1938.
- FLYNN, JOHN M.: Present-day Views of Diabetes Mellitus. *The Apollonian*, April, 1938.
- FRIEDGOOD, HARRY B. and DAWSON, ALDEN B.: Differentiation of Two Classes of Acidophiles in the Anterior Pituitary of the Female Rabbit and Cat. *Stain Technol.*, 13, 17, 1938.
- Cytologic Evidence of the Gonadotropic Activity of the Rabbit's Anterior Hypophysis. *Endocrinology*, 22, 674, 1938.

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- The Occurrence of a Second Type of Acidophile Cell in the Anterior Pituitary of the Female Cat and Its Relation to Sexual Activity. *Anat. Rec.*, 70, 21, 1938.
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- Toxicology in a General Hospital. *Am. J. Clin. Path.*, Tech. Supp., 2, 113, 1938.
- GIBSON, J. G., II and PIJOAN, M.: The Rate of Disappearance of Intravenously Administered Dextrose in the Human Subject. *Am. J. Phys.*, 121, 534, 1938.
- GIBSON, JOHN G., II and EVELYN, KENNETH A.: A New Type of Absorption Cell for the Photoelectric Microcolorimeter. *J. Biol. Chem.*, 122, 391, 1938.
- Clinical Studies of the Blood Volume. IV. Adaptation of the Method to the Photoelectric Microcolorimeter. *J. Clin. Invest.*, 17, 153, 1938.
- GIBSON, JOHN G., II and BLOTNER, HARRY: The Determination of Ethyl Alcohol in Blood and Urine with the Photoelectric Colorimeter. *J. Biol. Chem.*, 126, 551, 1938.
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- GIBSON, JOHN G., 2ND, EVANS, WILLIAM A., JR., THOMSON, K. JEFFERSON and HIRSHEIMER, A.: Studies on the Circulation in Pregnancy. III. Blood Volume Changes in Normal Pregnant Women. *Am. J. Obstet. & Gyn.*, 36, 48, 1938.
- GIBSON, JOHN G., 2ND and KOPP, ISRAEL: Studies in the Physiology of Artificial Fever. I. Changes in the Blood Volume and Water Balance. *J. Clin. Invest.*, 17, 219, 1938.

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- GIBSON, JOHN G., 2ND and GREGERSEN, MAGNUS I.: Conditions Affecting the Absorption Spectra of Vital Dyes in Plasma. *Am. J. Phys.*, 120, 494, 1937.*
- GRABFIELD, G. PHILIP: The Relation of Newer Drugs to Public Health. *N. Eng. J. Med.*, 218, 911, 1938.
- Inactive Duty Training Course for Medical Reserve Officers. *The Military Surgeon*, 83, 533, 1938.
- HALBERSLEBEN, DAVID: Coronary Occlusion in a Young Adult. *N. Eng. J. Med.*, 218, 175, 1938.
- HOYT, LYMAN H. and WARREN, HARRY A.: Gonorrheal Endocarditis; A Report of Three Cases, One Treated with Fever Therapy. *Ann. Int. Med.*, 12, 675, 1938.
- LEVINE, SAMUEL A.: Angina Pectoris and Its Relation to Coronary Artery Disease. *N. Eng. J. Med.*, 219, 743, 1938.
- LEVINE, SAMUEL A. and BOONE, JOHN A.: The Prognosis in "Potential Rheumatic Heart Disease" and "Rheumatic Mitral Insufficiency." *Am. J. Med. Sci.*, 195, 764, 1938.
- LYONS, RICHARD H., KENNEDY, J. ALLEN and BURWELL, C. SIDNEY: The Measurement of Venous Pressure by the Direct Method. *Am. Heart J.*, 16, 675, 1938.
- MARQUIS, HAROLD H.: Hinton Test of Blood in Neurosyphilis. *Am. J. Syph., Gonorr. & Ven. Dis.*, 22, 208, 1938.
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- MURPHY, WILLIAM P. and HOWARD, ISABEL M.: The Hemolyzing Effect of Saponin on Erythrocytes and the Protective Qualities of Blood Plasma. *Trans. Assoc. Am. Phys.*, 53, 185, 1938.
- O'HARE, JAMES P., MASSIE, EDWARD and ETHRIDGE, CLAYTON B.: Thiocyanate Therapy in Vascular Hypertension. *N. Eng. J. Med.*, 219, 736, 1938.
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* Omitted in last year's report.

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- Iodinated Protein in Human Athyreosis. Trans. Assoc. Am. Phys., 53, 202, 1938.
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- WATKINS, A. L., and FULTON, M. N.: The Effect of Fluids Given Intraperitoneally, Intravenously and by Mouth on the Volume of Thoracic Duct Lymph in Dogs. Am. J. Phys., 122, 281, 1938.

Investigation and Clinical Studies. In the annual report of 1937, after recounting various features of the Medical Service since its inauguration in 1913, it was stated that "in next year's annual report, * * * some space will be devoted to an account of the scientific work of the Peter Bent Brigham Hospital medical service since its beginning."

In the period 1913-38 1,029 publications have appeared under the authorship of members of the Medical Staff or their pupils as listed each year in the Annual Report. These cover a wide range of subjects. In large part they are clinical studies but, in addition, comprise laboratory investigations as suggested by, or in correlation with, studies of patients. Of the latter some were carried on in the laboratories of the Peter Bent Brigham

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Hospital and others in the laboratory of the Department of Medicine in the adjacent buildings of the Harvard Medical School. Various phases of heart disease and of disease of the kidneys have received major attention. In both, methods of treatment and of diagnosis have been considered most often, as is natural for an institution whose prime interest always has been devoted to the attainment of the best possible care of its patients. The fundamental attitude of the Medical Service toward investigation is discussed in a later part of this Annual Report.

The possession of an electrocardiograph at an early period in its development led to numerous studies based on its use in various disturbances of the mechanism of the heart. Among the arrhythmias that have been discussed during the years 1913-38 are auricular fibrillation, auricular flutter, paroxysmal tachycardia, both auricular and ventricular, auriculo-ventricular and sino-auricular block, changing ventricular complexes, nodal rhythm and the electrocardiographic changes following coronary occlusion, sometimes in relation to frequency, sometimes in relation to treatment and sometimes in relation to recognition by simple, non-electrocardiographic methods. Digitalis therapy has been studied and reported on from numerous angles, the electrocardiographic changes induced by it, its efficiency when heart rhythm was regular, its influence on various of the arrhythmias, its use in certain patients without evidences of cardiac insufficiency and its use in its simplest form, pills of powdered digitalis leaves, a preparation used continuously since the opening of the Hospital. Strophanthin and quinidine, including quinidine deaths, too, have been investigated both in man and in experimental animals. Cardiac infarction has been the subject of numerous studies, some of which have been influential in

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increasing the early and more general recognition of this highly important heart disease on the part of practitioners. Chronic myocardial insufficiency in its frequency of occurrence, in its recognition, in its therapeutic management and in its mechanism has been discussed in numerous papers. The calcified type of aortic stenosis with its roentgenological recognition, dynamic and syphilitic aortic insufficiency, angina pectoris, the oculocardiac reflex, the heart changes in myxedema and in hyperthyroidism, coarctation of the aorta and the compression signs of acute pericarditis are the subjects of other papers. With the surgeons the effects on heart function of total thyroid ablation have been explored and measures for the cutting of stenosed valves have been described. These former patients gave, too, an opportunity of studying various effects of thyroid deficiency from their very inception. The changes in blood volume in heart disease and in other diseases as well as the effect on it of therapeutic hyperthermia have been investigated extensively. Venous pressure and the effects of and treatment of constrictive pericarditis have been more recent studies.

A simple method of recording vital capacity in the normal individual in contrast to those with cardiac insufficiency or pulmonary disease was evolved and extensively investigated. Numerous clinical studies of respiration, including the effects of acidosis and CO_2 have been published. The changes in basal metabolism and methods for recording it in heart disease, in thyroid disease, in obesity, etc., have been studied from the early days of the Hospital, some of these being published at a time when little knowledge of the clinical applications of such factors was available.

Coordinate with these interests in the problems of the circulation has been a sustained study of Bright's dis-

ease, with an interest in its etiology, its pathology, its clinical classification, its symptomatology and its therapeutic management, which began with extensive investigations of renal lesions produced experimentally in animals and has been continued as studies both of patients in the wards and out-door clinic and of animals in the laboratory. Numerous of these studies have been closely related to problems of the dynamics of the circulation and changes in the heart since high blood pressure is a significant factor in the progress of renal disturbances as well as causative of eventual cardiac hypertrophy and cardiac decompensation. Various methods of controlling hypertension have been investigated, such as protein or salt reduction in the diet, the effect of liver substance, of mistletoe, of thiocyanate, etc. A large variety of tests or measures of renal function in relation to disease have been studied and compared. Plasmapheresis has been investigated in its relation to uremic conditions. Experimental nephritis, acute and chronic, has been produced and studied from numerous angles. Changes in the eye grounds have been followed closely and correlated with evidences of general vascular and of renal disease. Nitrogen and sulphur metabolism in relation to kidney disease has been studied. Edema produced in animals by repeated bleedings and occurring in man has been investigated both as to mechanism and management. Diuretics of different types have received much study both in animals and in man with a view to a more intelligent utilization of them in our patients with edema of either renal or cardiac origin.

In the Hospital and its laboratories asthma and hay fever has been investigated almost from the opening of the Hospital with resultant extension of knowledge of these diseases and especially of ways of treatment. A large number of papers on the blood, especially the ane-

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mias, have been published. Of these the ones of greatest practical importance have been those concerned with liver in the treatment of pernicious anemia; from the Medical Clinic of the Peter Bent Brigham Hospital came the earlier papers that demonstrated the great effectiveness of liver substance in the cure of this previously almost universally fatal disease. Syphilis in relation to diagnosis and treatment has been a constant interest with a resultant group of publications on these topics. Gout and diabetes are diseases on which numerous studies have been published. This is true also of peptic ulcer, pneumonia, polycythemia, the erythema group of diseases, meningococcemia, periarteritis nodosa, etc. Examples of rare diseases from time to time have come to our wards, been studied and reported on; to two of these, a form of xanthomatosis and a curious skin condition, relapsing febrile nodular non-suppurative panniculitis, the name of a member of the medical staff has been attached by the general profession. In the preceding paragraphs have been enumerated the topics that since the opening of the Hospital have held chief interest of the medical staff on the investigational side of their activities; the authorship of these publications include all of staff, with but rare exceptions, from youngest to oldest in years.

The Hospital in the Education of Resident and Non-resident Staff. The previous section points to an important phase of the educational activities and responsibilities of the Peter Bent Brigham Hospital. Here numerous men in past years have learned by the doing of the value in their professional development of investigative attempts and have come to be more intelligently critical of scientific investigations because they have experienced its difficulties and realized the importance of thoroughness.

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In their study and care of patients the Hospital has given them a supervised and inspirational post-graduate instruction. From the making and recording of detailed histories and thorough complete examinations of patients has come to them a very important factor in developing them into exceptionally good practitioners of medicine by showing them the way to build up a valuable clinical experience.

In all of this perhaps no single thing has played a more important rôle than the making and recording of our detailed, typewritten records from which facts so easily can be culled. That they have been dictated is a stimulus to making descriptions more detailed and more complete and hence of greater value for future use. They have been typed means that there has been saved to the patients of the Hospital many hours of intelligent study of the patient without which our patients would have been less well cared for. After all how unintelligent would it have been to use daily hours of the time of highly trained young doctors in the purely routine labor of writing records in long hand?

As I look back on it, I have the impression that the way our clinical hospital records have been fashioned and typed is the greatest single achievement of the Peter Bent Brigham Hospital, and that they have played the largest part in that training, which has placed so many of our men in subsequent positions of great importance. Here is the only important permanent record of what we have done beyond the published papers and books, which in great part have been based on these records. It would be, in my opinion, a false economy ever to give up having such complete typed records, a backward step that would require years to undo.

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Physician-in-Chief-Elect. The outstanding event of 1938 for the Medical Service has been the appointment of Dr. Soma Weiss as Physician-in-Chief-elect of the Peter Bent Brigham Hospital. Following the precedent set by Dr. Cushing, when his retirement was approaching, I took no part in any way in the selection of the one to be my successor; of course, I was keenly interested, and I may say, concerned, in the decision of the committees of the Harvard Medical School and the Peter Bent Brigham Hospital. Carefully, thoroughly, for a long time they studied potential appointees; this I knew. When I learned their choice, my pleasure was great; I was certain that their selection had been wise; knowing the breadth and depth of Dr. Weiss' training, the keenness of his intellect, the charm of his personality, his inspiration to pupils and associates, his broad clinical acumen and his real worth, I felt certain that the future of the medical service of the Peter Bent Brigham Hospital was being entrusted to capable hands for that leadership which, his health remaining good, will be long, as certainly it should be, that he may have full time to develop his ideas into an accomplishment of great fruitfulness for the Peter Bent Brigham Hospital. To Dr. Weiss goes my benediction. May he find the same happiness in this work, new for him, as I have since my appointment in 1910.

Anniversary Celebration and Fourth Reunion. May 5 to 7, 1938, the Hospital formally celebrated its twenty-fifth anniversary by a reunion of members of all branches of the Hospital family and by public exercises, the program of all of which appears elsewhere in this, the Twenty-fifth Annual Report of the Hospital.

On this occasion the public was informed both of what the Hospital had accomplished in the first quarter

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century of its life and what were its present needs for funds to pay annual costs, to provide for necessary reconstruction of plant, to replace inroads into capital made during the years of depression and still continuing and to permit of needed continuity of growth and development in the years of the immediate future. Poverty may be a blessing in disguise; no doubt the increasing and great poverty of the past ten years has chastened us; alas, poverty, too long continued, saps the strength and dims the enthusiasm necessary to advance, be it of man or institution; would that generous friends would change the poverty of the present to the abundance of the earlier years of the Peter Bent Brigham Hospital. The Community Fund of Boston has been our one bulwark against dissolution; to it we of the Peter Bent Brigham Hospital, one and all, bespeak our everlasting obligation; unfortunately all that it can do is to reduce to relatively small size what otherwise would be a huge annual deficit, steadily reducing our capital funds and making smaller each year our income from endowment. But the Community Fund cannot replace wornout and outmoded buildings nor give funds necessary to a revivifying progress in medical knowledge and the care of patients. For these we must turn to our friends.

The return to the reunion celebration of so many (300 registered) of those that the Peter Bent Brigham Hospital has trained, to reunite with us, to tell us of their investigations and their work and to speak kindly appreciative words of the Hospital's share in the medical advances of the past twenty-five years has brought to the Hospital great pleasure and great satisfaction. They and what they have accomplished are sources of great pride to all of those that shared in their training; their visit to us brought us great happiness. Our Trustees by their generosity and by their indefatigable work in

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preparation made this celebration both possible and a great success. The Brigham family extends to them their thanks. The program was a great success because all worked so diligently for its success. The dramatic talent of house staff and nurses, under the able direction of Drs. Gibson and Wilkins, gave us the delightful musical comedy (repeated three times to accommodate all who desired to attend) in which the foibles of the visiting staff and Hospital personnel were happily and amusingly set forth. At the end of this gathering all agreed that we Brighamites had had the best possible celebration and reunion.

Presentation of Dr. Christian's Portrait. On October 13, 1938, at an informal gathering my portrait was presented to the Trustees of the Peter Bent Brigham Hospital, the gift of many who had been or still were members of the Peter Bent Brigham Hospital family. May I take this place to say to each of them: "You have made me your debtor. By the presentation of my portrait to the Hospital you have paid me an honor which I cherish as an evidence of your esteem and affection. In the years to come this portrait from the cunning of Mrs. Page's brush will serve to portray the ideal goal of my life, *the hospital physician busied daily in the care of patients in contact with students, resident staff, associates and colleagues; this seemed to me the acme of attainment when in the days of my youth I dreamed dreams.*

"Here at the Peter Bent Brigham Hospital it has been my good fortune to act out my life's dream; nowhere could have a greater opportunity come, and as my days of active service draw to a close, as dramatized by this portrait presentation, I am profoundly grateful to all

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of you who have done so much to bring to rich fruition this work in which I have been but a figure head."

The Aims and the Spirit of the Medical Service in Its First Quarter Century. On such an occasion as this, my last annual report, it seems appropriate to render some account of one's stewardship and to tell something of the philosophy of living that has actuated one's way of doing things. Each that directs a hospital service for a period of years needs must have a plan, a method, an ideal of perfection; these are determined by the past training and the aptitude of the chief. The way of the service must be conceived so as to represent the highest accomplishment of leadership possible to that leader.

Equally another leader must be entirely free differently to carry out his plan, his method, his ideal. For my successor my hope is that he, too, will have ahead of him many years to perfect his leadership, as I had, and above all, an entire freedom, as has been mine, to follow any plan, any method that to him seems ideal. Most unfortunate would it be for the development of the Peter Bent Brigham Hospital for anyone to say we must continue along some path laid out by a past leader. Time and conditions change rapidly; always must there be a willingness to meet changing conditions by changed ways of doing things. Any man chosen as physician-in-chief will be a leader safe to follow whatever way he turns; if not worthy of that confidence, he would not have been selected.

On the other hand, it seems to me that a certain spirit, which has developed here at the Peter Bent Brigham Hospital, is worthy of becoming a tradition to be passed on from generation to generation by succeeding chiefs of service, a spirit that will in no wise determinatively limit any plan or method of the future, but which will,

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in a subconscious way, influence them. Such a spirit undoubtedly exists here. Although it is difficult to describe it in words, this spirit of the Hospital becomes manifest in a short time to all who have stayed for work with us, a spirit of friendly helpfulness to all who gather under our roof, pervading both the practical care of patients and the scientific study of medical problems, a spirit that permits to all the maximum of freedom of action tempered by the realization that freedom to one must not trammel the action of others, a spirit of joy in the task, however difficult the task may be, a spirit that has been built up by those who in succeeding years have worked at the Peter Bent Brigham Hospital.

In developing the medical service of the Peter Bent Brigham Hospital from the beginning I have had two definite aims, closely correlated the one to the other. One has been to give to our patients the best possible professional care in such a friendly way that each patient should feel that we have been particularly interested in him or her as an individual, and that nothing has been left undone in arriving at a correct diagnosis of the disease of our patient and in alleviating its discomforts. The other has been to lay broad foundations of training on which students and staff might build themselves into the best type of clinicians. As a corollary has been the recognition that members of the staff should be engaged in medical investigation as an integral factor in perfecting these aims, but that investigation should remain in this sense secondary to the chief aims of the service, merely a means to those ends. These aims form the keynote of the medical service and give an understanding of its development since the first patients were admitted in 1913.

Meticulous care in patients' records has been insisted upon. Students and house officers, I know, often have

felt that the many details in the histories and physical examinations represent wasted energy. Those of us who have turned back to an early history, when a patient is readmitted, know that much, which at the time might seem irrelevant, has proved of great importance in the subsequent management of the case. Equally, when we come to study groups of records, seeking a better understanding of a given disease entity, do we realize the value of these details at the obtaining of which students and house officers often have rebelled, not always inwardly and silently. Still more important is the value of such thoroughness in the training of our men for their future work. All great clinicians study their patients with the most detailed thoroughness, missing not the smallest departure from normal function, appreciating always what is the normal. No successful investigator can have any other method than infinite thoroughness in his work. Thoroughness in every detail cannot begin too early in one's career.

To be an able clinician one must hold stored in his mind the details of a vast number of patients that he has studied as well as the results of those studies by others that go to make up medical literature. All of this depends upon a trained memory. To train the memory of our students and house officers we have required always that they know the facts about their cases and be able at any time to give them from memory. Besides training memory, this makes for better care of the individual patient. How can one treat patients intelligently, and especially sudden emergencies in them, unless he has in mind all of the patient's history and just what previous physical examination has shown?

To take a detailed history, to make a thorough physical examination, to carry out the various indicated laboratory studies, to write a summary of the findings and

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to arrive at a diagnosis is a logical process of deduction, the value of which largely is lost, if all, including the diagnosis, is not stated positively in writing, to be modified or changed as subsequent study or more experienced observation justified. Hence our plan of encouraging all who study a patient to add his findings to the history and express his ideas as to diagnosis and treatment. The senior member of the staff ought to be correct oftener than those of shorter experience, but all learn from their mistakes to improve their clinical ability. None should be afraid to be proved wrong in his opinions and to give credit to his junior, when the junior's expressed opinion is the correct one. Thus clinical training is perfected. He, who never commits his opinions to writing, loses the most important discipline of clinical work and runs a great risk of assuming an omniscience that is fatal to further development as a clinician. Alas, too often cowardice prevents such commitments; extremely rarely, I am glad to say, has this been true of members of the medical staff of the Peter Bent Brigham Hospital.

After our wards were receiving their full quota of patients, the size of our resident staff was increased to a size which, so far as I know, equals in the ratio of resident staff to number of beds that of any other general hospital anywhere and exceeds that in the majority. This was done in order that our methods of study of patients might be detailed in their thoroughness, and yet there be time for reading medical literature and carrying on some bit of investigation or the preparation for publication of an interesting case or group of cases. How well or how inadequately this has been done by individual members of the resident staff is recorded in their publications and in their subsequent rating in the medical world. More I believe have been laggards in this aspect of the work than in any other.

There is today an unfortunate tendency to say that the mass of medical literature is so great that none can keep up with it. To my mind this is but an excuse of the lazy. It is surprising how much can be covered in the literature by a few hours' reading each week and by browsing among books and periodicals; no physician, who expects to attain to any importance in the medical world, should be satisfied with less than a daily quota of reading general medical literature; not very much time is required, and this can be done from the earliest days of hospital work throughout life. Perhaps in the beginning this may seem a task, but I assure you that, as the years go by, no pleasure is greater to a trained, keenly interested physician than the hours spent in comparing his ideas and his knowledge with that recorded in medical literature by his colleagues. To one, who desires to outstrip his competitors, there is no surer way than to have a greater store of memories of clinical observation, a greater knowledge of medical literature and greater familiarity with something won by investigation than they have. These only are obtained by hard work. It seems to me that the medical man, who does not find greater pleasure in such acquisitions than in anything else, has unwisely selected his life's work. I must confess a disgust for the medical man, who tells you, how hard he works instead of telling you how much satisfaction and joy he finds in his professional work and study, and for the man, who is not keen to become the responsible head of some medical organization or does not soon seek the independence of private practice.

Our plan of organization at the Brigham, which does not subdivide the service into special subgroups, has been a deliberate and important part of the plan to lay broad foundations for the training of the best type of clinicians. To my mind to study all types of disease is a

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necessity for the clinician, who is to take a broad view of any particular subdivision of medicine. It is not the easy way. It is a task calling for less diligence and less intelligence early to devote one's attention to a special phase of medicine and no longer attempt to remain conversant with the broad aspects of disease. I dare say it may be the part of wisdom to recognize one's own limitations, choose, for example, some narrow field of medicine as cardiology, gastro-enterology or metabolic disease, etc., and abandon the attempt to remain a competent general clinician, but this is, it seems to me, the explanation of the obviously narrowed outlook of so many of the men who are regarded as leaders in these respective special fields. At least that has seemed to me to be the situation, and so I have insisted that at the Peter Bent Brigham Hospital the medical service remain a general service, and that all have an integral share in its management, while at the same time leaving it possible to carry on studies in any special field that may be selected. That this can be done is witnessed by the recognized standing of a number of the Brigham staff in special fields and by the notable positions now held by men trained at the Brigham, a list in which we take great pride. Would that we could always train men like Jonathan Hutchinson, who was, in the words of Osler, "the only great generalized specialist which the profession has produced."

In the arrangement of the work at the Brigham it has been a constant effort to place such facilities for study and investigation, as we have had, at the service of those men most capable of utilizing them to the best advantage without at the same time forming air-tight compartments into which new ideas of others might not freely penetrate. Petty jealousies, happily, have remained rare. Our workers almost without exception

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have felt that they would have complete credit for what they did and could publish freely their results under whatever arrangement of authorship seemed to them desirable. The only limitation ever placed on publication has been to limit the use of the words "from the Medical Service of the Peter Bent Brigham Hospital" to those publications approved by the Physician-in-Chief, believing that a chief of service should be responsible for the work emanating from his clinic, both as to its form and its substance. Any work, not so approved, of course, could be published just the same but not as "from the Medical Service of the Peter Bent Brigham Hospital". After all it seems to me a clinic should have a responsibility in training its younger members so that they can write clearly and logically, using good English. Such a review of papers, as carried out at the Brigham, gives an opportunity for this. The result has been that these papers have needed very little editorial change when they were submitted to journals for publication.

Also should not a clinic have a responsibility to train its members to present their work at meetings clearly, logically and briefly? Our plan of presenting cases from memory on the wards, especially during staff rounds, and at the evening meetings in the amphitheater, gives just such training. I find that Brighamites with rare exceptions make most excellent presentations at public meetings, which speaks well for their early training.

To encourage investigation has had a place in our scheme of developing members of the service as already indicated. Investigation has a two-fold value. The value of an individual investigation may be great or small, but each adds to the sum total of medical knowledge, and this is valuable. Investigation trains the man

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conducting it to become careful, patient, persistent and intelligently critical and so is helpful in whatever work that is undertaken subsequently. Very few indeed are capable of investigation of such importance as to justify its being more than a minor part of his activities; its value is rather what it gives in training than what it adds to medical knowledge. This has been the attitude of our service to investigation; no great investigator so far has appeared; such are not made by any process of development, in my opinion, but so to speak are spontaneous in occurrence; when one appears, every opportunity to work out his ideas should be placed at his disposal.

All of the various methods, some of which I have cited, intended chiefly to train broadly our men, may have seemed to you unimportant. To many of you, I dare say, there has been no thought at all as to why they were in use. However, one of the most delightful experiences of the medical service is to see house officers grow in power and develop in ability as they progress through the various steps of the service to greater and greater responsibility and to continue this development as assistant residents and residents, so that, when they leave us, we feel confident that we are sending out men well prepared to continue in their development and to take a high rank among their future colleagues. When the service was first organized, we instituted the graded progressive steps of the house officers' service culminating in a recognized responsibility first in the care of ward patients and then in the management of ambulatory patients with a superimposed system of assistant residents and residents combining routine clinical responsibility with entire freedom for investigation, a system then unique which in some respects has remained unique. This system appears to have been satisfactory in

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the development of our men as shown by their subsequent careers.

To us it is of little import what line our men have chosen to follow. That Brighamites are doing well so many different things in medicine is evidence of the breadth and soundness of the early training they have gotten here. To have become an eminent professor of medicine means no more than to develop into the honored and beloved physician of a community; both are doing equally important jobs. It is their success in the chosen job that is the credit to their training and the cause of our pride in them.

As I look back through the years of my service at the Peter Bent Brigham Hospital, memory recalls many pleasant incidents and delightful associations both with younger assistants and older associates. Working with you men, who constitute the medical staff, past and present, has ever been to me a stimulation to greater effort and a reward for hours spent in the work.

Farewell. And now I end this my last Annual Report. On September 1 next, I retire under the rule of the Trustees adopted in the beginning of the Hospital on the recommendation of Dr. Cushing and myself, a wise rule, which in my opinion should never be violated. I will ever look back on my period as Physician-in-Chief of the Peter Bent Brigham Hospital as a happy episode in life. In closing this report I say to all of you, past and present, who have worked under my direction, that you are, and always will be, to me a source of the greatest pride and satisfaction; the association with you has been one of the greatest joys of my life. From my colleagues of the staff ever has come helpful cooperation to lighten the load of the work. The chiefs of services, past and present, with whom I have worked, have adorned their

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posts. With Howard, Councilman, Cushing, Miss Hall and Miss McCullough as department heads I began; with Howland, Luger and Reynolds I carried on; with Cutler, Wolbach, Wilhelm, Sosman, Miss McDonald and Miss Beal I approach my retirement from active service; those names, their capabilities, their accomplishments speak for themselves; their affection and their cooperation have meant more to me than I have words to tell. Of my present colleagues and assistants on the medical staff with Levine, O'Hare and Walker longest in service and of Frothingham and Peabody, who helped to inaugurate the medical service, what more can I say than that they were ever kindly critics, ready to help; able, dependable, honest and lovable; no chief, I feel sure, could have possessed a finer group of colleagues, associates and assistants. The work of 1938, as in past years, has been facilitated by the willing cooperation of all the many people needed to make the wheels of a hospital go round. And so, "farewell."

DECEMBER 31, 1938.

HENRY A. CHRISTIAN,
Physician-in-Chief.

Summary of Medical Statistics

JANUARY 1, 1938 TO JANUARY 1, 1939

Total number of medical admissions in 1938 ...	1,996	
Total number of medical cases remaining in the wards, January 1, 1938	83	
	—	2,079
Total number of medical readmissions discharged in 1938	529	
Total number of medical new cases discharged in 1938	1,469	
	—	1,998
Total number of medical cases remaining in the wards, January 1, 1939	81	
	—	2,079
Total number of deaths		228

Visiting Physicians and Surgeons *Pro Tempore*

SIR CHARLES BALLANCE

K.C.M.G., C.B.; Consulting Surgeon to British Army, 1914-19; Col., R.A.M.C.; Consulting Surgeon to St. Thomas Hospital and to the National Hospital for Paralysis and Epilepsy; *Surgeon-in-Chief pro tem.*, P. B. B. H., October 15 to October 25, 1928. Died February 8, 1936.

DR. LEWELLYS F. BARKER

M.B., Univ. of Toronto, 1890; M.D. (Hon.) Univ. of Toronto, 1905; Queen's, 1908; LL.D., McGill, 1911; Emeritus Professor of Medicine, Johns Hopkins University and Visiting Physician, Johns Hopkins Hospital; *Physician-in-Chief pro tem.*, P. B. B. H., April 21 to April 27, 1931, and April 24 to April 26, 1939.

DR. FRANK BILLINGS

M.D., Northwestern Univ., 1881; M.S., *ibid.*, 1890; Sc.D., Harvard, 1915; Professor of Medicine, Northwestern Univ., 1891-98; Professor of Medicine, Rush Medical College, 1898-1905; Professor of Medicine, Univ. of Chicago, 1905-24; *Physician-in-Chief pro tem.*, P. B. B. H., May 15 to May 20, 1916. Died September 20, 1932.

DR. FRANCIS G. BLAKE

M.D., Harv., 1913; Sterling Professor of Medicine, Yale University School of Medicine; Physician-in-Chief, New Haven Hospital; *Physician-in-Chief pro tem.*, P. B. B. H., April 18 to April 23, 1938, and April 24 to April 26, 1939.

DR. FREDERICK A. COLLIER

B.S., 1906, M.S., 1908, Ph.G., 1909, South Dakota State Coll.; M.D., Harv., 1912; Assoc. Prof. Surg., Univ. of Mich.; Surgeon to University Hospitals, Ann Arbor, Mich.; *Surgeon-in-Chief pro tem.*, P. B. B. H., October 19-November 3, 1934.

DR. LEWIS A. CONNER

Ph.B., Yale Univ., 1887; M.D., Columbia Univ., 1890; Physician, New York Hospital, 1905; Professor Clinical Medicine, Cornell Univ. Med. School, 1905-16; Professor of Medicine, *ibid.*, 1916; *Physician-in-Chief pro tem.*, P. B. B. H., April 8 to April 15, 1923.

DR. CHARLES A. ELLIOTT

B.S., Univ. of Nebraska, 1895; M.D., Northwestern, 1898; Professor of Medicine, *ibid.*; Attending Physician, Passavant Memorial Hospital, Chicago; *Physician-in-Chief pro tem.*, P. B. B. H., April 16 to April 22, 1933. Died June 26, 1939.

VISITING PHYSICIANS AND SURGEONS

PROF. OTFRID FOERSTER

Professor of Neurology, Univ. of Breslau; *Surgeon-in-Chief pro tem.*, P. B. B. H., October 1 to October 14, 1930.

MR. GEORGE E. GASK

Graduate of St. Bartholomew's Hospital, London, England; Consulting Surgeon, B. E. F., receiving C.M.G. and a D.S.O.; Surgeon and Director of Surg. Unit to St. Bartholomew's Hosp.; Professor of Surgery, Univ. of London; *Surgeon-in-Chief pro tem.*, P. B. B. H., March 20 to April 3, 1921.

DR. H. KNUT GIERTZ

Surgeon-in-Chief, Sabbatsburg Sjukhus, Stockholm, Sweden; Surgeon to the Royal Family of Sweden; *Surgeon-in-Chief pro tem.*, P. B. B. H., May 16 to May 31, 1936.

DR. EMIL GOETSCH

M.D., Johns Hopkins, 1909; Professor of Surgery, Long Island College of Medicine, Brooklyn, New York; Surgeon-in-Chief, Long Island College Hospital; *Surgeon-in-Chief pro tem.*, P. B. B. H., April 18 to April 24, 1938.

DR. ALVAH H. GORDON

M.D., C.M., McGill University Faculty of Medicine, Montreal, 1899; F.R.C.P., Canada; Associate Prof. of Medicine, McGill; Physician, Montreal General Hosp.; *Physician-in-Chief pro tem.*, P. B. B. H., April 14 to April 20, 1935, and April 24 to April 29, 1939.

DR. DUNCAN GRAHAM

M.D., Univ. of Toronto, 1905; Professor of Medicine, Univ. of Toronto; Physician-in-Chief, Toronto General Hospital; *Physician-in-Chief pro tem.*, P. B. B. H., March 3 to March 10, 1929, and April 25 to April 27, 1939.

DR. EVARTS GRAHAM

M.D., Rush Medical College, 1907; Professor of Surgery, Washington Univ., St. Louis, Mo.; *Surgeon-in-Chief pro tem.*, P. B. B. H., April 26 to May 3, 1925.

DR. JAMES B. HERRICK

A.B., Univ. of Mich., 1882; Hon. A.M., *ibid.*, 1907; M.D., Rush Medical College, 1888; Professor of Medicine, *ibid.*, 1900; Attending Physician, Presbyterian Hospital, Chicago, Illinois, 1895; *Physician-in-Chief pro tem.*, P. B. B. H., February 15 to February 21, 1924, and April 26 to April 27, 1939.

DR. GEORGE J. HEUER

M.D., Johns Hopkins Univ., 1907; successively Associate Professor of Surgery, Johns Hopkins Univ., Professor of Surgery, Univ. of Cincinnati, and Professor of Surgery, Cornell Univ. Medical School, New York; *Surgeon-in-Chief pro tem.*, P. B. B. H., July 12 to July 16, 1932.

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DR. ALBION WALTER HEWLETT

B.S., Univ. of Cal., 1895; M.D., Johns Hopkins Medical School, 1900; Professor of Internal Medicine, Univ. of Mich., 1908-16; Professor of Medicine, Leland-Stanford Jr. Univ., San Francisco, 1916-25; *Physician-in-chief pro tem.*, P. B. B. H., May 1 to May 4, 1915, and January 2 to January 8, 1916. Died November 10, 1925.

DR. CHARLES F. HOOVER

M.D., Harvard, 1892; Professor of Medicine, Western Reserve Univ., Cleveland, Ohio; *Surgeon-in-Chief pro tem.*, P. B. B. H., February 3 to February 9, 1924. Died June 15, 1927.

LORD HORDER

M.D., Univ. of London; Honorary D.C.L. (Dunhelm); F.R.C.P.; K.C.V.O.; Knight Grand Order of St. John of Jerusalem; First Baron of Ashford in the County of Southampton; Physician-in-Ordinary to the King; Senior Physician Emeritus to St. Bartholomew's Hosp.; Freeman of Shaftsbury; *Physician-in-Chief pro tem.*, P. B. B. H., May 1 and 2, 1936.

DR. CAMPBELL P. HOWARD

M.D., McGill, 1901; Professor of Medicine, McGill University, Montreal; Physician to Montreal General Hospital, Montreal; *Physician-in-Chief pro tem.*, P. B. B. H., November 16 to November 21, 1931. Died, June 3, 1936.

DR. HANS CHRISTIAN JACOBÆUS

M.D., University of Stockholm, 1906; Professor of Medicine, The Caroline Institute and Chief of Medical Service, Seraphimer Hospital, Stockholm, Sweden; accepted appointment as *Physician-in-Chief pro tem.*, P. B. B. H., to serve in 1938. Died October 29, 1937.

DR. SAMUEL W. LAMBERT

A.B., Yale, 1880; Ph.B., *ibid.*, 1882; M.D., Columbia, 1885; A.M., Yale, 1905; D.Sc., Columbia, 1921; Professor Clinical Medicine, Columbia, 1903-19; Dean, Coll. Phys. and Surgs. (Columbia), 1904-19; Attending Physician, New York Hosp., 1896-1909; Attending Physician, St. Luke's Hosp., 1906; *Physician-in-Chief pro tem.*, P. B. B. H., January 24 to January 30, 1926.

DR. HENRY ROBERT MURRAY LANDIS

A.B., Amherst, 1894; M.D., Jefferson Med. Coll., 1897; Director, Clinical and Sociological Departments, Henry Phipps Institute, Philadelphia, Pennsylvania; *Physician-in-Chief pro tem.*, P. B. B. H., January 18 to January 25, 1919. Died, September 14, 1937.

PROF. RENÉ LERICHE

Professor of Surgery, University of Strasbourg; Professor of Surgery, University of Lyons. 1932; *Surgeon-in-Chief pro tem.*, P. B. B. H., June 12 to June 20, 1929.

VISITING PHYSICIANS AND SURGEONS

DR. DEAN DEWITT LEWIS

A.B., Lake Forest Univ., 1895; M.D., Rush Med. Coll., 1899; Associate Professor of Surgery, Rush Medical College, 1919-25; Attending Surgeon, Presbyterian Hosp., Chicago; Professor of Surgery, Johns Hopkins Univ., 1925; *Surgeon-in-Chief pro tem.*, P. B. B. H., March 15 to March 24, 1920.

SIR THOMAS LEWIS

M.D., University College, London, England, 1906; C.B.E.; F.R.C.P.; F.R.S.; Physician, University College, London, England; Physician to Staff of Med. Research Comm.; *Physician-in-Chief pro tem.*, P. B. B. H., October 26 to November 2, 1914.

DR. WARFIELD T. LONGCOPE

A.B., Johns Hopkins Univ., 1897; M.D., *ibid.*, 1901; Bard Professor of Medicine, Columbia Univ., New York, 1914-21; Professor of Medicine, Johns Hopkins Univ., and Physician-in-Chief, Johns Hopkins Hospital, 1922; *Physician-in-Chief pro tem.*, P. B. B. H., January 13 to January 20, 1917, and April 24 to April 28, 1939.

DR. WILLIAM DE B. MACNIDER

M.D., Univ. of N. C., 1903; Professor of Pharmacology, Univ. of N. C., 1905; *Physician-in-Chief pro tem.*, P. B. B. H., April 13 to April 17, 1925.

DR. THOMAS McCRAE

A.B., Univ. of Toronto, 1891; M.B.; M.D., *ibid.*, 1903; F.R.C.P., England; Associate Professor of Medicine, Johns Hopkins Univ., 1906-12; Professor of Medicine, Jefferson Med. Coll., 1912; Physician to Jefferson and Penn. Hosps.; *Physician-in-Chief pro tem.*, P. B. B. H., March 13 to March 19, 1921. Died, June 30, 1935.

DR. JAMES S. McLESTER

A.B., Univ. of Alabama, 1896; M.D., Univ. of Virginia, 1899; Prof. of Med., Univ. of Alabama; *Physician-in-Chief pro tem.*, P. B. B. H., April 27 to May 3, 1930.

PROF. GUNNAR NYSTROM

Professor of Surgery, University of Upsala, Sweden; *Surgeon-in-Chief pro tem.*, P. B. B. H., May 23 to May 26, 1930.

DR. JAMES E. PAULLIN

M.D., Johns Hopkins, 1905; LL.D., Wesley Univ., 1928; Res. Pathol., Rhode Island Hosp., 1905-06; House Officer, Piedmont Hosp., Atlanta, Ga., 1906-07; Prof. of Clinical Medicine, Emory Univ.; Chief, Medical Service, Emory Division, Grady Hospital, Atlanta, Ga.; *Physician-in-Chief pro tem.*, P. B. B. H., February 23 to February 29, 1936.

DR. O. H. PERRY PEPPER

B.S., Univ. of Pa., 1905; M.D., *ibid.*, 1908; Prof. of Medicine, University of Pennsylvania School of Medicine; *Physician-in-chief pro tem.*, P. B. B. H., January 17 to January 23, 1937, and April 24 to April 25, 1939.

PETER BENT BRIGHAM HOSPITAL

SIR D'ARCY POWER, K.B.E.

M.A., M.B., Univ. of Oxford, 1882; F.R.C.S. (England), 1883; Consulting Surgeon, St. Bartholomew's Hospital, London, England; *Surgeon-in-Chief pro tem.*, *P. B. B. H.*, April 20 to May 5, 1924.

PROF. VITTORIO PUTTI

Professor of Orthopedics, University of Bologna; Director, Instituto Ortopedico Rizzoli; *Surgeon-in-Chief pro tem.*, *P. B. B. H.*, May 30 to June 6, 1932.

DR. DAVID RIESMAN

M.D., Univ. of Pa., 1892; Prof. Clin. Med., *ibid.*; Physician, Philadelphia General Hospital and University Hospital, Pa.; *Physician-in-Chief pro tem.*, *P. B. B. H.*, April 25 to May 2, 1927, and April 24 to April 27, 1939.

DR. EMMET RIXFORD

M.D., Cooper Medical College, San Francisco, 1891; Professor of Surgery, Leland-Stanford Jr. Univ.; *Surgeon-in-Chief pro tem.*, *P. B. B. H.*, April 25 to May 9, 1927. Died, January 2, 1938.

SIR HUMPHREY ROLLESTON, Bart.

G.C.V.O.; K.C.B.; M.A. and M.D., Cambridge University; Fellow and sometime President of the Royal College of Physicians of London; Hon. D.Sc., D.C.L., LL.D.; Fellow and sometime President of the Royal Society of Medicine; Consulting Physician (Temporary Surgeon Rear-Admiral) to the Royal Navy, 1914-19; Emeritus Physician, St. George's Hospital, London; Physician-in-Ordinary to H. M., the King; Regius Professor of Physic, University of Cambridge, Cambridge, England; *Physician-in-Chief pro tem.*, *P. B. B. H.*, March 25 to April 1, 1928.

DR. CLARENCE L. STARR

M.B., Univ. of Toronto; M.D., Univ. of New York; LL.D.; Professor of Surgery, Univ. of Toronto; Surgeon-in-Chief, Toronto General Hosp.; *Surgeon-in-Chief pro tem.*, *P. B. B. H.*, March 7 to March 16, 1926. Died December 25, 1928.

DR. ALFRED STENGEL

M.D., Univ. of Pa., 1889; Sc.D. Honorary, Univ. of Pittsburgh; LL.D., Lafayette College and Univ. of Pa.; Prof. of Medicine, Univ. of Pennsylvania School of Medicine; Vice-President, University of Pennsylvania; Physician, University Hospital, Philadelphia, Pa.; *Physician-in-Chief pro tem.*, *P. B. B. H.*, April 22 to April 28, 1934. Died April 10, 1939.

SIR HAROLD J. STILES

Kt. cr. 1918; K.B.E., cr. 1919; M.B., C.M., F.R.C.S., Edinburgh; British Colonel, R.A.M.C.; Mem. Army Med. Advisory Board; Surgeon, Royal Edinburgh Hosp. for Sick Children, and Chalmers Hosp.; Professor of Clinical Surgery, 1919-25; Late Lecturer on

VISITING PHYSICIANS AND SURGEONS

Applied Anatomy, Univ. of Edinburgh; *Surgeon-in-Chief pro tem.*, *P. B. B. H.*, April 8 to April 21, 1923.

DR. WILLIAM S. THAYER

A.B., Harvard, 1885; M.D., *ibid.*, 1889; LL.D., Washington Coll., 1907; Hon. F.R.C.P.I., 1912; Brig. General, U. S. A. M. C., 1918-19; Professor of Medicine, Johns Hopkins Univ., 1919-21; Physician-in-Chief, Johns Hopkins Hosp., 1919-21; Visiting Physician, Johns Hopkins Hosp., 1921; *Physician-in-Chief pro tem.*, *P. B. B. H.*, November 14 to November 21, 1913. Died December 10, 1932.

SIR CUTHBERT WALLACE

C.B., 1918; K.C.M.G., 1916; M.B., B.S., London; F.R.C.S., Eng.; Surgeon to St. Thomas' Hosp.; Dean, St. Thomas' Hosp. Med. School; Late Surgeon, East London Hosp. for Children; Lecturer on Surgery, St. Thomas' Hosp.; served in South Africa as Surgeon to Portland Hosp., 1900; European War, 1914-18; Maj. Gen., A. M. S.; Consulting Surgeon, B. E. F., France; *Surgeon-in-Chief pro tem.*, *P. B. B. H.*, April 24 to May 8, 1922.

DR. ALLEN O. WHIPPLE

B.S., M.D., Sc.D., Columbia; Prof. of Surg., Columbia Univ.; Director, Surgical Service, Presbyterian Hosp., New York; *Surgeon-in-Chief pro tem.*, *P. B. B. H.*, March 22 to March 29, 1937.

PROF. DAVID PERCIVAL DALBRECK WILKIE

O.B.E., M.D., M.Ch., F.R.C.S. (Edin. and Eng.); Professor of Surgery, University of Edinburgh; Surgeon to the Edinburgh Royal Infirmary; *Surgeon-in-chief pro tem.*, October 8 to October 11, 1929. Died August 28, 1938.

DR. ROLLIN TURNER WOODYATT

B.S., Univ. of Chicago, 1896; M.D., Rush Med. Coll., 1902; Clin. Professor of Medicine, Univ. of Chicago; Attending Physician, Presbyterian Hosp., Chicago; *Physician-in-Chief pro tem.*, *P. B. B. H.*, December 16 to December 23, 1921, and April 24 to April 28, 1939.

Traveling Fellows in Surgery

LEO M. DAVIDOFF	1926
HARLAN F. NEWTON	1927
FRANC D. INGRAHAM	1928
WILLIAM DE G. MAHONEY	1932

George Gorham Peters Traveling Fellows

ARTHUR J. MCLEAN	1929
ERIC OLDBERG	1930
FRANK N. GLENN	1931
KENNETH W. THOMPSON	1933
S. MILTON DUPERTUIS	1934
THOMAS B. QUIGLEY	1935
ROBERT E. GROSS	1936
LOUISE EISENHARDT	1937
JOHN E. DUNPHY	1938

Harvey Cushing Fellows

KENNETH WADE THOMPSON	Mar. 1	-Sept. 1, 1933
MAX T. SCHNITKER	Oct. 13, 1933	-Mar. 1, 1934
SAMUEL R. SNODGRASS	Mar. 1, 1934	-Aug. 1, 1934
CARL W. WALTER	July 1, 1934	-July 1, 1935
J. HARTWELL HARRISON	Apr. 1	-June 1, 1935
THOMAS B. QUIGLEY	July 1, 1935	-Jan. 1, 1936
PHILIP SHAMBAUGH	Nov. 1, 1935	-July 1, 1936
MICHEL PIJOAN	Aug. 1, 1936	-June 1, 1939
MAX T. SCHNITKER	Sept. 1, 1936	-Mar. 1, 1938
JOHN L. KEELEY	July 1, 1937	-Aug. 1, 1938
J. HARTWELL HARRISON	Jan. 1, 1939	

Register of Present Members of the Staff

ABBREVIATIONS

P. B. B. H.—Peter Bent Brigham Hospital	M. G. H. —Massachusetts General Hospital
B. C. H. —Boston City Hospital	Harv. —Harvard University
J. H. H. —Johns Hopkins Hospital	H. O. —House Officer

AUB, JOSEPH C.

A.B., Harv., 1911; M.D., *ibid.*, 1916; Med. H. O., M. G. H., 1914-15; Asst. Phys., Russell Sage Inst. of Pathol., N. Y., 1915-16; Med. Res., M. G. H., 1916-17; U. S. Army, Base Hosp. No. 6, France, 1917-19; Instr. in Physiol., 1919, Asst. Prof. of Physiol., 1920-24, Asst. Prof. of Med., 1924-28, Harv.; Asst. in Med., 1921-22, Assoc. in Med., 1922-25, Assoc. Phys., 1925-28, M. G. H.; Physician-in-Chief, Huntington Mem. Hosp.; Assoc. Prof. of Med., Harv.; *Sr. Assoc. Phys.*, P. B. B. H.; Medical Consultant, M. G. H., Palmer Memorial Hosp., South County Hosp., Wakefield, R. I.

AUSTEN, GEORGE

M.D., Harv., 1934; Interne, St. Luke's Hosp., N. Y., 1935-37; Interne, Children's Hosp., 1937-38; *Urol. Fellow*, P. B. B. H.

AYER, GUY DARRELL

B.S., Virginia Military Inst., 1929; M.D., Emory, 1933; Rotating Interne, Grady Hosp., Atlanta, 1933-34; *Pathol. H. O.*, P. B. B. H., November 1, 1934-March 1, 1936; Res. Pathol., Children's Hosp., Boston, March-July, 1936; Res. Pathol., B. L. I., 1936-37; *Res. Pathol.*, P. B. B. H.

BADAL, DANIEL WALTER

A.B., Adelbert College of Western Reserve Univ., 1934; M.D., Western Reserve Univ., 1937; *Med. H.O.*, P. B. B. H.

BALBONI, VICTOR G.

A.B., Harv., 1935; M.D., *ibid.*, 1939; *Pathol. H. O.*, P. B. B. H.

BELL, JOHN FRYE

A.B., Yale, 1931; M.D., Harv., 1935; *Surg. H. O.*, P. B. B. H., February 15, 1936-October 1, 1937; Arthur Tracy Cabot Fellow, Harv.; *Jr. Assoc. in Surg.*, P. B. B. H., October 1, 1937-November 1, 1938; *Asst. Res. Surg.*, *ibid.*

BLODGETT, JAMES BISHOP

A.B., Oberlin, 1932; M.D., Harv., 1936; *Surg. H. O.*, P. B. B. H., October 15, 1936-March 1, 1938; *Asst. Res. Surg.*, *ibid.*

BLOTNER, HARRY

A.M., Harv., 1931; M.D., Tufts, 1924; Gen. Interne, Eastern Maine Gen. Hosp., 1924-25; *Asst. Res. Phys.*, P. B. B. H., 1925-26; *Jr. Assoc.*

PETER BENT BRIGHAM HOSPITAL

in Med., *ibid.*, December 1, 1926-September 1, 1927, and January 24, 1929-December 31, 1933; Instr. in Med., Harv.; *Assoc. in Med.*, P. B. B. H.

BOTSFORD, THOMAS W.

A.B., Univ. of Mo., 1931; M.D., Harv., 1935; Surg. H. O., C. H., 1935-37; *Surg. H. O., P. B. B. H.*, July 1, 1937-August 1, 1938; Res. Surg., C. H.

BREWSTER, ALBERT H.

B.A., Univ. of Va., 1914; M.D., J. H. M. S., 1918; M. C., U. S. Army, 1917-19; Children's Hosp. Sch., Baltimore, Md., 1919-20; *Surg. H. O., P. B. B. H.*, February 15, 1920-July 1, 1921; Orthopedic Service, Children's Hosp., Boston; Instr., Orthopedic Surg., Harv.; Visit. Orth. Surg., N. E. Peabody Home for Crippled Children, and Industrial School for Crippled and Deformed Children; *Jr. Assoc. Orth. Surg., P. B. B. H.*; in practice, Boston.

BROWN, FRANCIS JACK

B.A., Williams, 1931; M.D., Northwestern, 1936; Interne, St. Luke's Hosp., Chicago, 1935-36; *Med. H. O., P. B. B. H.*, October 15, 1936-July 1, 1938; Fellow in Med., Northwestern.

BURWELL, CHARLES SIDNEY

A.B., Allegheny Coll., 1914; M.D., Harv., 1919; LL.D. (Hon.) Allegheny Coll., 1936; Med. House Pupil, M. G. H., 1919-20; American Red Cross Comm. to West Russia, 1920; House Phys., M. G. H., 1920-21; Teaching Fellow in Med., Harv., 1921; Instr. in Med., Johns Hopkins Med. Sch., 1921-22; Res. Phys., J. H. H., 1921-22; Assoc. in Med., Johns Hopkins Med. Sch., 1922-24; Asst. Visit. Phys., J. H. H., 1922-24; Assoc. Prof. of Med., Vanderbilt Univ. Med. Sch., 1925-28; Visiting Phys., Vanderbilt Univ. Hosp., 1925-28; Prof. of Med., Vanderbilt Univ. Med. Sch., 1928-35; Phys. in Chief, Vanderbilt Univ. Hosp., 1928-35; Dean of the Faculty of Med., and Research Prof. Clin. Med., Harv.; *Physician, P. B. B. H.*

CAMPBELL, JR., CHARLES M.

A.B., Harv., 1933; M.D., *ibid.*, 1937; *Pathol. H. O., P. B. B. H.*, January 1, 1938-January 1, 1939.

CAMPBELL, JAMES B.

A.B., Harv., 1931; M.D., *ibid.*, 1935; Surg. H. O., C. H., 1936-37; *Surg. H. O., P. B. B. H.*, December 1, 1937-December 1, 1938; Asst. Res. Neuro-Surg., C. H.

CANNON, WALTER BRADFORD

A.B., Harv., 1896; A.M., *ibid.*, 1897; M.D., *ibid.*, 1900; S.D., Yale, 1923, Harv., 1937; LL.D., Wittenberg, 1927, Boston University, 1929; Doctor Liege, 1930; Doctor, Strasbourg, 1930; Doctor, Paris, 1931; C.B. (military, 1919; D.S.M., 1922; Instr. in Zoölogy, Harv., 1899-1900; Instr. in Physiol., *ibid.*, 1900-02; Asst. Prof. Physiol., *ibid.*, 1902-06; George Higginson Prof. Physiol., *ibid.*, 1906—; Fellow, Am.

REGISTER OF PRESENT MEMBERS OF THE STAFF

Acad., 1906; Mem. Am. Philos. Soc., 1908; Mem. Nat. Acad. of Sciences, 1914; Croonian Lecturer, Royal Society, London, 1918; Corr. Mem., Société de Biologie, Paris, 1919; Reale Accademia delle Scienze, Bologna, 1921; Nat. Acad. of Med., Buenos Aires, 1936; Hon. Mem. Sociedad de Biologia, Buenos Aires, 1922; Assoc. Mem., Société Belge de Biologie and Société de Psychol., Paris, 1930; Nat. Acad. of Med., Spain, 1934; Foreign Honorary Fellow, Royal Society, Edinburgh, 1930; Exchange Professor for France, 1929-30; Baly Medalist, Royal College of Physicians, London, 1931; Member, Kaiserliche Deutsche Akademie der Naturforscher, Halle, 1932; Honorary Member, Academia de Medicina, Barcelona, 1932; Member, Board of Scientific Directors, Rockefeller Institute of Medical Research, 1936; Foreign Hon. Member, Académie Royale de Médecine de Belgique, 1937; Corr. Mem., Royal Society of Medicine of Budapest, 1938; Pres., Am. Assoc. for Advancement of Science, 1938; Doctor, *honoris causa*, Univ. of Madrid, 1938; *Consult. Physiol.*, P. B. B. H.

CHEEVER, DAVID

A.B., Harv., 1897; M.D., *ibid.*, 1901; Surg. H. O., B. C. H., 1901-03; Asst. in Anat., Harv., 1903-08; Asst. Visit. Surg., B. C. H., 1905-12; Demonstr. in Anat., Harv., 1908-13; Asst. Prof. Surg. Anat., Harv.; Chief Surg., 2d Harv. Unit, B. E. F., France, 1915-16; Assoc. Prof. of Surg., Harv.; *Surg.*, P. B. B. H.

CHRISTIAN, HENRY ASBURY

A.B., and A.M., Randolph-Macon, 1895; Grad. Stud., *ibid.*, 1895-96; LL.D., *ibid.*, 1923; M.D., Johns Hopkins, 1900; A.M., Harv., 1903; Sc.D., Jefferson, 1928; LL.D., Western Reserve, 1931; F. R. C. P. (Hon.), Can., 1936; LL.D., Univ. Western Ontario, 1938; Sc.D., Univ. Mich., 1938; Asst. Pathol., B. C. H., 1900-02; Asst. Visit. Pathol., *ibid.*, 1902-05; Asst. Visit. Pathol., Children's Hosp., Boston, 1902-05; Instr. in Pathol., Harv., 1902-05; Asst. Visit. Phys., Long Island Hosp., Boston, 1905; in charge of med. students, M. G. H., 1905-07; Instr. in Theory and Practice of Physic., Harv., 1905-07; Asst. Prof. of Theory and Practice of Physic., *ibid.*, 1907-08; Phys.-in-Chief, Carney Hosp., Boston, 1907-12; Dean, Faculty of Med. and Med. Sch., Harv., 1908-12; Fellow, Am. Acad., 1913, Corr. mem., Wiener Gesellschaft. f. innere Medizin, etc., 1923; Corr. member, Medico-Chirurgical Soc., Edinburgh, 1937; formerly Major, M. R. C., U. S. Army; Resident Chairman, Div. of Med. Sciences, Nat'l Research Council, Washington, D. C., 1919-20; Consultant, Food and Drug Adm., U. S. Dept. Agriculture; Hersey Prof., Theory and Practice of Physic. Harv., since 1908; *Physician-in-Chief*, P. B. B. H.

CLARKE, A. RUSCOE

M.R.C.S., L.R.C.P., 1931; M.B., B.S., London Univ., 1931; F.R.C.S., 1933; Interne, Lect. in Anat. and Surg. Registrar, Guy's Hosp., London, 1933-36; *Fellow in Urol.*, P. B. B. H., July 1, 1937-January 24, 1938.

PETER BENT BRIGHAM HOSPITAL

CLINE, SAMUEL

M.D., Harv., 1917; Clin. Asst. in Otolaryngology, Mass. Eye and Ear Infirm.; Asst. Laryngologist, Beth Israel Hosp.; Laryngologist, Sanatorium Div., B. C. H.; *Jr. Assoc. in Otolaryngology, P. B. B. H.*

COLBY, FLETCHER H.

S.B., Dartmouth, 1914; M.D., Harv., 1918; served with B. C. H. unit, Evacuation Hosp. No. 110, during war; Surg. Interne, M. G. H., 1919-21; Ludlow-Jute Co., Ltd., Calcutta, India, 1921-23; *Asst. Res. Surg., P. B. B. H., January 1, 1924-January 1, 1925; Jr. Assoc. in Urol., ibid., January 22, 1925-October 1, 1926; Act. Assoc. in Surg., ibid., July-September, 1927; Assoc. Urol., M. G. H.; Asst. in G. U. Surg., Harv.; Asst. Surg., Palmer Mem. Hosp.; Urologist, Huntington Mem. Hosp.; Jr. Assoc., Urol. Surg., P. B. B. H.; in practice, Boston.*

CONNERLEY, MARION LEE

B.S., Indiana Univ., 1934; M.D., *ibid.*, 1937; H. O. in Pathol., C. H., 1937-38; Asst. Res. Pathol., *ibid.*, July-November, 1938; *Surg. H. O., P. B. B. H.*

CONTRATTO, ANDREW W.

A.B., Univ. Utah, 1928; M.D., Univ. Pa., 1932; Med. Interne, Univ. of Pa., 1932-34; *Asst. Res. Phys., P. B. B. H., August 1, 1934-August 1, 1936; Asst. in Med., Harv.; Asst. Adviser in Med., Dept. Hygiene, ibid.; Jr. Assoc. in Med., P. B. B. H.; in practice, Boston, Mass.*

CRANE, CHILTON

A.B., Yale, 1933; M.D., Harv., 1938; *Surg. H. O., P. B. B. H.*

CROWDER, ROBERT M.

B.S., Univ. So. Dakota, 1933; M.D., Northwestern, 1937; Rotating Interne, Passavant, 1937-38; Fellow in Med., Northwestern, 1938; *H. O. in Roent., P. B. B. H.*

CUSHING, HARVEY

A.B., Yale, 1891; A.M. and M.D., Harv., 1895; House Pupil, M. G. H., 1895-96; Res. Surg., J. H. H., 1896-1900; successively Asst., Instr. and Assoc. Prof. in Surg., J. H. M. S., 1898-1912; Hon. F.R.C.S., London, 1913, Ireland, 1918, and Edinburgh, 1927; Hon. A.M., Yale, 1913; D.Sc., Washington, 1915, Yale, 1919, Harv., 1931; Oxford, 1938; LL.D., Western Reserve, 1919, Cambridge, 1920, Glasgow, 1927, Edinburgh, 1927; Litt.D., Jefferson, 1926, Dartmouth, 1929; Dr. (*Hon. caus.*), Strasbourg, 1929, Brussels, 1930, Bern, 1931, Budapest, 1931, Amsterdam, 1932, Paris, 1933, Am. Acad. of Arts and Sciences, 1914, Nat. Acad. Sciences, 1917, Am. Phil. Soc., 1930; Director, U. S. Army Base Hosp. No. 5, 1916-19; Col., M. C., U. S. A.; Companion of the Bath; D.S.M.; Offic. Legion d'Honneur; Stud., St. Bartholomew's, 1922; Mickle Fellow, Univ. of Toronto, 1922; Cameron Prize, Univ. of Edinburgh, 1924; Macewen Lecturer, Univ. of Glasgow, 1927; Lister medalist, Royal Coll. Surg. (London), 1930; Moseley Prof. of Surg., Harv., 1912-32; *Surgeon-in-Chief, P. B.*

REGISTER OF PRESENT MEMBERS OF THE STAFF

B. H., 1912-32; *Surg.-in-Chief Emeritus, ibid.*; Sterling Prof. of Neurol., *emeritus*, Yale.

CUTLER, ELLIOTT CARR

A.B., Harv., 1909; M.D., *ibid.*, 1913; *Surg. H. O., P. B. B. H.*, November 1, 1913-March 1, 1915; Res. Surg., Harv. Unit, Am. Ambulance Hosp., Paris, France, 1915; Res. Surg., M. G. H., 1915-16; Alumni Asst. in Surg., Harv., 1915-16; Vol. Asst., Rockefeller Inst., New York, 1916-17; Lt. Col., M.C., U. S. Army; D.S.M., 1917-19; Instr. in Surg., Harv., 1921-24; *Res. Surg., P. B. B. H.*, August 1, 1919-September 1, 1921; *Assoc. in Surg., ibid.*, September 1, 1921-July 1, 1924; Chairman, Dept. of Surg., and Director of Lab. of Surg. Research, Harv., 1922-24; Prof. of Surg., Western Reserve Univ. Med. Sch., and Chief Surg., Lakeside Hosp., Cleveland, Ohio, 1924-32; Moseley Prof. of Surg., Harv.; *Surgeon-in-Chief, P. B. B. H.*

DAWSON, ROGER PAUL

A.B., Holy Cross, 1907; M.D., Harv., 1911; Med. H. O., Carney Hosp., Boston, 1911-12; *Med. H. O., P. B. B. H.*, November 1, 1912-November 1, 1913; Fellow in Med., Harv., 1914-15; Phys., Carney Hosp., O. P. D., 1914-15; *Assoc. in Med., P. B. B. H.*, July 1, 1915-December 31, 1916; Assoc. Phys., M. G. H.; *Assoc. in Med., P. B. B. H.*; in practice, Boston.

DENNY, GEORGE PARKMAN

A.B., Harv., 1909; M.D., *ibid.*, 1913; *Med. H. O., P. B. B. H.*, June 1, 1913-July 1, 1914; Vol., Lab. of Physiol. Research, Johns Hopkins, 1914-15; Capt., M. C., U. S. Army; Alumni Asst. in Med., 1915-16, Supervisor Student Health, 1917-18, Physician to Students, 1919-20, Alumni Asst. in Med., 1920-23, Director of Alumni Appointments and Physician to Students, 1923-30, Harv.; Attend. Phys., Channing Home, Boston, 1917-28; Assoc. Chief, Med. Dept., Boston Disp., 1924-28; *Assoc. in Med., P. B. B. H.*, 1915-38.

DERICK, CLIFFORD L.

M.D., McGill, 1918; H. O., Montreal Gen. Hosp., 1919-22; Fellow, Nat. Research Council, 1922-23; *Asst. Res. Phys., P. B. B. H.*, 1923-24; Asst. in Med. and Research Fellow in Bio-Chemistry, Harv., 1923-24; Asst. Res. Phys., Rockefeller Hosp., New York, 1924-28; Asst. Prof. Med., Harv., 1928-35; *Physician, P. B. B. H.*, 1928-35; Assoc. in Med., Harv.; *Sr. Assoc. in Med., P. B. B. H.*; in practice, Boston, Mass.

DIMMLER, JR., CHARLES L.

A.B., Univ. Calif., 1935; M.D., Harv., 1938; *Surg. H. O., P. B. B. H.*

DOLKART, RALPH E.

B.S., Northwestern, 1935; M.S., *ibid.*, 1936; M.D., *ibid.*, 1937; *Med. H. O., P. B. B. H.*

DONSANTO, LEONARD

D.M.D., Harv., 1938; *Dental H. O., P. B. B. H.*

PETER BENT BRIGHAM HOSPITAL

DUNPHY, JOHN E.

A.B., Holy Cross, 1929; M.D., Harv., 1933; *Surg. H. O., P. B. B. H., September 1, 1933-November 1, 1934, Asst. Res. Surg., 1934-36, Pathol. H. O., 1936-37, P. B. B. H.*; Instr. in Surg., Harv.; *Res. Surg., P. B. B. H., December 1, 1936-March 1, 1938*; George Gorham Peters Trav. Fellow, March-October, 1938; Arthur Tracy Cabot Fellow, Harv.; *Jr. Assoc. in Surg., P. B. B. H.*

ELLISTON, WILLIAM A.

M.B., B.Ch., F. R. C. S., England; Cambridge Univ. and St. Bartholomew's Hosp., London; Asst. in Orth. Surg., Harv.; Instr. in Orth. and Fracture Surg., B. U.; *Jr. Assoc. in Orth. Surg., P. B. B. H.*

EMERY, JR., EDWARD STANLEY

A.B., Harv., 1916; M.D., *ibid.*, 1920; *Med. H. O., P. B. B. H., November 1, 1920-March 1, 1922; H. O. X-ray Dept., ibid., July 1, 1922-July 1, 1923*; Stud. in Clin. of Doctor Sippy, Presbyterian Hosp., Chicago, 1923-24; Asst. in Med., Harv., 1925-29; Phys. to Boston Disp., 1925-26; Instr. in Med., Harvard; *Jr. Assoc. in Med., P. B. B. H., April 24, 1924-May 10, 1926; Assoc. in Med., ibid.*

ENGLAND, JR., ALBERT CHARLES

A.B., Harv., 1933; M.D., *ibid.*, 1937; *Med. H. O., P. B. B. H.*

EPPINGER, EUGENE CHARLES

A.B., Williams, 1926; M.D., Harv., 1930; H. O., B. C. H. (Neuro.) 1930-31; *Med. H. O., March 1, 1931-July 1, 1932, Asst. Res. Phys., 1932-33, Res. Phys., 1933-36, P. B. B. H.*; Physician, Industrial Relations Div., Procter and Gamble Co.; Instr. in Med., Cincinnati Coll. of Med., September, 1936-August, 1937; Asst. Clinician, Cincinnati General Hosp., December, 1936-June, 1937; Asst. in Med., Harv.; Asst. Med. Adv., Dept. Hygiene, Harv.; *Jr. Assoc. in Med., P. B. B. H.*

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FITZ, REGINALD

A.B., Harv., 1906; M.D., *ibid.*, 1909; Med. House Pupil, M. G. H., 1910-11; Vol. Asst. in Pharmacol. and in Med. Clinic, J. H. H., 1911-12; *Sr. Med. H. O., P. B. B. H., November 1, 1912-July 1, 1913; Asst. Res. Phys., ibid., July 1, 1913-September 1, 1915 (granted leave of absence to December 31, 1916)*; Fellow in Physiol., Harv., 1914-15; Asst. Res. Phys., Rockefeller Inst. Hosp., New York; Major, M. C., U. S. Army, 1917-19; Assoc. in Med. and Act. Res. Phys., M. G. H., 1919-20; Mayo Clinic and Mayo Foundation, 1920-22; Assoc. Prof. of Med., Harv., 1922-36; *Phys., P. B. B. H., 1922-36*; Director, Evans Memorial Hosp.; Wade Prof. of Med., Boston Univ. Sch. of Med.; Lecturer on the History of Med., Harv.; *Consult. Phys., P. B. B. H.*

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FLEMING, ROBERT

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Ph.B., Brown, 1934; M.D., Harv., 1938; *Med. H. O., P. B. B. H.*

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A.B., Boston College, 1923; M.D., Harv., 1927; *Med. H. O., P. B. B. H., November 1, 1927-March 1, 1929*; Asst. in Med., Harv.; *Jr. Assoc. in Med., P. B. B. H., 1930-36; Assoc. in Med., ibid.*; in practice, Boston.

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A.B., Univ. of Mich., 1924; M.D., Johns Hopkins, 1928; Act. Interne, Simpson Memorial Inst., Ann Arbor, Mich., 1927-28; *Med. H. O., P. B. B. H., November 1, 1928-March 1, 1930*; Jr. Instr. in Int. Med., Univ. of Mich., 1930; Instr. in Int. Med., *ibid.*, 1930-32; Asst., 1932-33, Instr. 1933-34, in Pharm. and Exp. Therap., and Jacques Loeb Fellow, 1932-34, Johns Hopkins; Fellow, Nat. Research Council, 1934-35, Gen. Educat. Bd., 1935-36; Research Fellow, 1934-36, in Physiol., and Instr. in Med., 1936, Harv.; *Jr. Assoc. in Med., P. B. B. H.*

FROTHINGHAM, CHANNING

A.B., Harv., 1902; M.D., *ibid.*, 1906; Med. H. O., B. C. H., 1906-07; Asst. Visit. Phys., Carney Hosp., O. P. D., Boston, 1908-12; Sec'y, Faculty of Med., Harv., 1908-13; Asst. in Theory and Practice of Physic, *ibid.*, 1908-12; Instr. in Med., *ibid.*, 1913-22; Lieut. Col., M. C., U. S. Army, June 1, 1917-December 5, 1918; Asst. Prof. of Med., Harv., 1922-28; Assoc. Clin. Prof. of Med., Harv., 1928-33; Chairman, Dept. of Med., *ibid.*, 1928-33; *Physician, P. B. B. H., 1912-32*; Physician-in-Chief, Faulkner Hosp.; *Consult. Phys., P. B. B. H.*

FROTHINGHAM, JOSEPH ROTCH

S.B., Trinity Coll., 1933; M.D., Harv., 1937; *Med. H. O., P. B. B. H., June 15, 1937-March 1, 1939*; Asst. Res. Phys., N. Y. Hosp.

FULTON, MARSHALL N.

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Hopkins, September, 1925-February, 1926; *Med. H. O., P. B. B. H., March 1, 1926-July 1, 1927; Asst. Res. Phys., ibid., September 1, 1927-September 1, 1929; Res. Phys., ibid., September 1, 1929-September 1, 1931; Jr. Asst. Visit. Phys., R. I. Hosp., Prov., 1931-32; Asst. in Med., 1929-33, Instr., 1933-36, Assoc. in Med., and Asst to the Dean, Harv.; Jr. Assoc. in Med., 1931-34, Physician, P. B. B. H.*

GIBSON, JOHN GRAHAM, II

A.B., Amherst, 1919; M.B.A., Harv., 1921; M.D., *ibid.*, 1932; *Med. H. O., P. B. B. H., July 1, 1932-November 1, 1933; Research Fellow in Med., Harv., 1933-34; Asst. Res. Phys., P. B. B. H., 1934-35; Research Fellow in Med., Harv.; Jr. Assoc. in Med., P. B. B. H.*

GIDDINGS, PAUL DUDLEY

A.B., Harv., 1929; M.A., *ibid.*, 1931; M.D., *ibid.*, 1935; *Surg. H. O., P. B. B. H., May 1, 1937-June 1, 1938; Asst. Res. Surg., ibid.*

GOERINGER, CLAIRE F.

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GRABFIELD, GUSTAVE PHILIP

A.B., Williams, 1912; M.D., Harv., 1915; Teaching Fellow, Dept. of Pharmacol., *ibid.*, 1915-16; *Med. H. O., P. B. B. H., March 1, 1916-June 17, 1917; Capt., M. C., U. S. Army, 1917-19; Asst. in Roent., Univ. of Mich. Hosp., 1919-20; Instr. in Pharm., 1920-21; Asst. in Pharm., 1921-22; Instr. in Pharm. and Asst. in Med., 1922-24, Assoc. in Pharm., Harv.; Jr. Assoc. in Med., 1922-25; Assoc. in Med., P. B. B. H.*

GREELEY, DAVID MCLEAN

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A.B., Indiana Univ., 1921; A.M., *ibid.*, 1922; M.D., *ibid.*, 1925; Instr. in Anat., Indiana Univ., 1921-22; Interne, Indiana Univ. Hosp.; Asst. Res. Surg., Henry Ford Hosp., Detroit; *Surg. H. O., P. B. B. H., August 1, 1929-February 1, 1930; Asst. Res. Surg., ibid., February 1, 1930-October 1, 1930; Visit. Orth. Surg., C. H.; Instr. Orth. Surg., Harv.; Jr. Assoc. in Orth. Surg., P. B. B. H.*

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B.A., Carlton Coll., 1927; M.D., Harv., 1931; Pathol. H. O., Children's Hosp., 1931; *Surg. H. O., ibid., 1932-33; Pathol. H. O., 1933-34, Res. Pathol., 1934-35, Asst. Res. Surg., 1935-37, P. B. B. H.; George Gorham Peters Traveling Fellow, 1937; Res. Surg., Children's Hosp., Boston, 1937-38; Instr. in Surg., Harv.; Res. Surg., P. B. B. H.*

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HALBERSLEBEN, DAVID L.

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HARRIS, ALFRED W.

M.D., Washington Univ., 1935; Interne and Res. in Med., St. Paul's Hosp., Dallas, Texas, 1935-1936; *Asst. Res. Phys., P. B. B. H., January 1, 1937 to January 1, 1938*; *Vol. Grad. Asst., and Research Fellow, Renal Vascular Fund, January-July, 1938*; *Asst. Res. Phys., P. B. B. H., July-November 1938*; Asst. in Med., Harv.; *Res. Phys., P. B. B. H.*

HARRISON, JOHN HARTWELL

B.S., Univ. of Va., 1929; M.D., *ibid.*, 1932; Med. Interne, Lakeside Hosp., 1932-33; *Surg. H. O., P. B. B. H., November 1, 1933-March 1, 1935*; *Harvey Cushing Fellow, ibid., 1935*; *Urological Fellow, ibid., June 15, 1935-July 1, 1937*; Asst. in G. U., Surg., Harv., 1935-37; *Asst. Res. Surg., P. B. B. H., July 1, 1937-November 1, 1938*; Asst. in Surg., Harv.; *Jr. Assoc. in Surg., P. B. B. H.*

HARVEY, EARLE A.

B.S., Univ. of Wash., 1925; M.D., Harv., 1929; *Med. H. O., P. B. B. H., November 1, 1929-March 1, 1931*; House Phys., Mercy Hosp., Denver, Colo., July 1, 1931-April 1, 1933; *Jr. Assoc. in Med., P. B. B. H.*; in practice, Boston.

HASTINGS, A. BAIRD

A.B., Univ. Mich., 1917; Ph.D., Columbia, 1921; Hamilton Kuhn Prof. Biological Chemistry, Harv.; *Consulting Chemist, P. B. B. H.*

HAWKINS, JAMES WESLEY

B.S., Univ. Idaho, 1930; M.S., *ibid.*, 1931; M.D., Harv., 1934; Interne, Cincinnati Gen. Hosp., 1935-36; *Surg. H. O., P. B. B. H., February 1, 1938-February 1, 1939.*

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HOMANS, JOHN

A.B., Harv., 1899; M.D., *ibid.*, 1903; House Pupil, M. G. H., 1903-04; Asst. in Hunterian Lab., Johns Hopkins, 1908-09; Vol. Asst. Surg., Children's Hosp., Boston, 1909-10; Surg., M. G. H., O. P. D., 1910-12; Asst. in Surg., Harv., 1910-13; Surg., Boston Disp., 1913-14; Assoc. in Surg., Harv., 1914-15; Major, M. C., U. S. Army, 1918-19; Clin. Prof. Surg., Harv.; William H. Camalt Prof. Surg., Yale, 1936-37; *Surg., P. B. B. H.*

HOOVER, HAROLD R.

A.B., Univ. Calif., 1933; M.D., Univ. So. Calif., 1937; Interne, Huntington Mem. Hosp., Pasadena, Calif., 1937-38; *Surg. H. O., P. B. B. H.*

HORACK, HAROLD M.

B.S., Duke, M.D., *ibid.*, 1937; Vol. Asst., National Hosp., Queen's Sq., London, January-May, 1937; *Med. H. O., P. B. B. H., June 15, 1937-March 1, 1939*; Res. in Pathol., B. C. H., March-July, 1939; Res. in Pathol. and Asst. Instr. in Pathol., Hosp. of Univ. of Pa.

HOWARD, RUTLEDGE WILLIAM

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HOWLAND, JOSEPH BRIGGS

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HOYT, LYMAN H.

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A.B., Ohio State Univ., 1925; M.A., *ibid.*, 1926; M.D., Harv., 1930; Bone and Joint Serv., B. C. H., 1931; Pathol. H. O., M. G. H., 1931-32; Surg. Serv., B. C. H., 1932-33; Orth. Course, C. H. and M. G. H., 1933-35; Res., C. H., 1935-36; Asst. Vis. Orth. Surg., C. H.; Orth. Staff, Asst. Surg., N. E. Peabody Home for Crippled Children; Asst. in Orth. Surg., Harv.; *Jr. Assoc. Orth. Surg., P. B. B. H.*

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IRONS, EDWIN N.

B.S., Univ. Chicago, 1936; M.D., Harv., 1938; *Med. H. O., P. B. B. H.*

JOHNSON, HARALD N.

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JOPLIN, ROBERT J.

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KARP, MEIER

M.D., Univ. Va., 1931; Interne and Asst. Res. Surg., Union Mem. Hosp., Baltimore, 1931-33; Res. in Orth., Kernan Hosp., Baltimore, 1933-34; Res., Ortho., C. H., Boston, 1934-35; Asst. in Orth., Harv., 1935-36; Asst. Visit. Orth. Surg., C. H.; *Jr. Assoc. in Orth. Surg., P. B. B. H.*

KEELEY, JOHN L.

B.S., Loyola, 1927; M.D., *ibid.*, 1930; Asst. in Microscopic Anat., 1926-27; Interne, Mercy Hosp., Chicago, 1929-30; Asst. Phys., Dept. of Student Health, Univ. of Wisconsin, 1931-33; Asst. Res. Surg., State of Wisconsin General Hosp., 1933-34; Res. Surg., *ibid.*, 1934-35; Res. and Instr. in Surg., *ibid.*, 1935-36; Arthur Tracy Cabot Fellow, Harv.; *Jr. Assoc. in Surg., P. B. B. H.*, 1936-37; Harvey Cushing Fellow, *ibid.*, 1937-38; Instr. in Surg., Louisiana State Univ. and Visit. Surg., State Charity Hosp., New Orleans.

KENDALL, LEE GORDON

A.B., Harv., 1925; M.D., *ibid.*, 1930; *Surg. H. O., P. B. B. H.*, October 1, 1930-February 1, 1932; *Asst. Res. Surg., ibid.*, February 1, 1932-September 1, 1932; Asst. Res. Surg., N. Y. Hosp., 1932-35; *Jr. Assoc. in Surg., P. B. B. H.*

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KUTZER, MAX

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LEVINE, SAMUEL ALBERT

A.B., Harv., 1911; M.D., *ibid.*, 1914; *Assoc. in Med., P. B. B. H., July 1, 1914-July 1, 1915; Med. H. O., ibid., July 1, 1915-November 1, 1916; Moseley Traveling Fellow, Harv., 1916-17; Asst., Rockefeller Inst. Hosp., New York, 1916-17; Capt., M. C., U. S. Army, 1917-19; Instr. in Med., Harv., 1919-30; Consult. Phys., Boston Psychopathic Hosp., 1921-24; Phys. to Boston Disp., 1924-26; Visit. Phys., Beth Israel Hosp., 1928-33; *Assoc. in Med., P. B. B. H., August, 1910-March, 1928; Consult. in Cardiology, Newton Hosp.; Consult. Staff, Exeter Hosp., Exeter, N. H.; Consult. Phys., Josiah B. Thomas Hosp., Peabody, Mass.; Asst. Prof. of Med., Harv.; Sr. Assoc. in Med., P. B. B. H.**

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MACPHERSON, DONALD JOHN

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B.A., Univ. of Wis., 1925; M.A., *ibid.*, 1926; M.D., Harv., 1929; *Med. H. O., P. B. B. H.*, March 1, 1930-July 1, 1931; *H. O., Roent.*, *ibid.*, July 1, 1931-April, 1932; Member of Staff, N. Y. State Hosp. for Incipient Tbc., 1932; *Asst. Res. Roent., P. B. B. H.*, 1932-33; Roentgenologist, Truesdale Hosp., Fall River, Mass., 1934-36, Roentgenologist, Deaconess Hosp., Boston, Mass.; *Assoc. in Roent., P. B. B. H.*

MARLOW, JR., FRANK WILLIAM

B.S., Hamilton, 1923; M.D., Harv., 1927; *Med. H. O., P. B. B. H.*, July, 1927-November, 1928; *Asst. Res.*, New Haven Hosp., 1928-29; *Asst. in Med.*, Yale, November, 1928-July, 1929; *Asst. in Med.*, M. G. H., 1929-34; Physician, Faulkner Hosp.; *Asst. in Med.*, Harv.; *Assoc. in Med., P. B. B. H.*; in practice, Brookline, Mass.

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MILLER, WALLACE C.

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A.B., Harv., 1908; M.D., *ibid.*, 1912; S.D., Harv., 1928; Fellow, American Academy Arts and Sciences; Honorary Fellow, Royal College of Phys., Edinburgh, 1931, and London, 1938; Correspondent etranger, Royal Acad. of Med., Belgium, 1931; Hon. Fellow, Royal Society of Med., London, 1932; Hon. Fellow, N. Y. Academy of Med., 1933; Hon. Fellow, Inst. of Med. of Chicago, 1933; Nobel Laureate in Med. and Physiol., 1934; Fellow, American Philosophical Society, 1935; Member, Kaiserlich Leopold Carolin Deutsche Akademie der Naturforscher, 1935; Hon. Member, Society of Biological Chemists, India, 1936; Member, National Academy of Sciences, U. S. of America, 1937; Med. H. O., East Med. Serv., M. G. H., July, 1912-December, 1913; Asst. Res. Phys., Johns Hopkins, 1913-14; Asst. in Med., Johns Hopkins, 1914-15; Special Research Worker, Johns Hopkins, 1914-15; Asst. in Med., Harv., 1915-18; Asst. in Med., M. G. H., 1915-18; Asst. in Chem., Harv., 1915-16; Dalton Scholar, M. G. H., 1916-20; Visit. Phys., St. Luke's Convalescent Home, Boston, 1916-18; Assoc. in Med., M. G. H., 1918-23; Asst. Consult. Phys., Huntington Mem. Hosp., 1917-19; Phys., *ibid.*, 1919-23; Contract Surg., U. S. A., September, 1917, and September 15-November 10, 1918; Consult. Phys., Mass. Eye and Ear Infirmary, 1922-24; Phys. to Special Clinic, M. G. H., 1923-25; Asst. Prof. of Med., Harv., 1918-27; Clin. Prof. of Med., *ibid.*, 1927-28; Phys. and Chief of Med. Labs., Huntington Mem. Hosp., 1923-28; *Assoc. in Med., P. B. B. H., February 12, 1925-March 8, 1928*; Member, Board of Consultation, M. G. H.; Director, Thorndike Mem. Lab. and Visiting Phys., Second and Fourth Medical Services (Harv.), Boston City Hospital; Consult. Phys., Beth Israel Hosp; Prof. of Med., Harv.; *Consult. Phys., P. B. B. H.*

MONROE, ROBERT THORNHILL

A.B., Univ. of Mich., 1918; M.D., *ibid.*, 1924; *Med. H. O., P. B. B. H., July 1, 1924-November 1, 1925; Asst. Res. Phys., ibid., November 1, 1925-September 1, 1926*; Asst. in Med., 1926-28, Istr. in Med., 1928-31, Faculty Instr., 1931-35, Assoc. in Med., Harv.; *Jr. Assoc. in Med., 1926-32, Assoc. in Med., 1932-36, Physician, P. B. B. H.*

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MURPHY, WILLIAM P.

A.B., Univ. Ore., 1914; M.D., Harv., 1922, as of 1920; Nobel Laureate in Med. and Physiol., 1934; Commander, First Rank, Order of the White Rose, Finland, 1934; Member, Kaiserlich Leopold Carolin Deutsche Akademie der Naturforscher, 1935; Hon. Member, Societas Fennica Medicorum Morborum Internorum, 1938; H. O., R. I. Hosp., 1920-22; *Asst. Res. Phys., P. B. B. H.*, 1922-23; Asst., 1924-28, Instr., 1928-35, Assoc. in Med., Harv.; Consult. Hematologist, Melrose Hosp.; *Jr. Assoc. in Med.*, 1923-26; *Assoc. in Med.*, 1926-35; *Sr. Assoc. in Med., P. B. B. H.*

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A.B., Amherst, 1933; M.D., Harv., 1937; *Surg. H. O., P. B. B. H.*

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NEWTON, FRANCIS CHANDLER

A.B., Amherst, 1915; M.D., Harv., 1919; *Surg. H. O., P. B. B. H.*, March 15, 1919-July 1, 1920; *Asst. Res. Surg., ibid.*, July 1, 1920-September 1, 1921; *Res. Surg., ibid.*, September 1, 1921-July 1, 1923; *Jr. Assoc. in Surg., ibid.*, July 1-September 15, 1923; Asst. in Surg., Harv., 1920-23; Moseley Trav. Fellow, *ibid.*, 1923-24; Vol. Asst., Phys. Inst., Berne, Switzerland, 1923-24; Instr. in Surg., Harv., 1924-28; Faculty Instr. in Surg., *ibid.*, 1928-35; Supervisor of Surg. Lab., *ibid.*, 1925-32; Consult. Surg., N. E. Peabody Home for Crippled Children; Assoc. in Surg., Harv.; Faculty Council, *ibid.*, 1935-38; *Assoc. in Surg., P. B. B. H.*, 1924-28; *Sr. Assoc. in Surg., ibid.*

NEWTON, HARLAN FAY

A.B., Yale, 1916; M.D., Harv., 1920; Pathol. H. O., B. C. H., 1920-21; *Surg. H. O., P. B. B. H.*, November 1, 1921-March 1, 1923; *Asst. Res. Surg., ibid.*, October 1, 1923-July 1, 1924; *Res. Surg., ibid.*, July 1, 1924-October 1, 1926; Austin Teach. Fellow in Surg., Harv., 1924-27; Workman Fellow in Physiol., *ibid.*, 1926-27; Moseley and P. B. B. H. Travel. Fellow in Surg., 1927-28; Asst., first Med. Clin., Hamburg-Eppendorf, Germany, 1927-28; Austin Teach. Fellow in Surg., Harv., 1928-31; Faculty Instr. in Surg., *ibid.*; *Jr. Assoc. in Surg., P. B. B. H.*, 1931-36; *Assoc. in Surg., ibid.*, 1936-37; *Sr. Assoc. in Surg., ibid.*

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B.S., Univ. Idaho, 1932; M.S., *ibid.*, 1933; M.D., Harv., 1937; *Med. H. O., P. B. B. H.*

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O'CONNOR, JOHN B.

B.A., Univ. Mo., 1930; M.D., Harv., 1934; Asst. Res., Trudeau, 1934-35; Res. Phys., Gabriel's San., 1935-37; *Med. H. O., P. B. B. H., February 15, 1937-November 1, 1938*; Asst. Res. Phys., William Wirt Winchester Hosp., West Haven, Conn.

O'HARE, JAMES PATRICK

A.B., Harv., 1908; M.D., *ibid.*, 1911; Med. H. O., B. C. H., So. Dept., 1911; Med. H. O., Carney Hosp., Boston, 1912-13; Fellow in Med., Harv., 1913-15; Asst. Visit. Phys., Carney Hosp., 1913-14; Asst. Visit. Phys., B. C. H., 1915; Asst. in Med., Harv., 1915-18; *Assoc. in Med., P. B. B. H., July 1, 1915-August 1, 1917*; *Act. Phys., ibid., August 1, 1917-February 1, 1918*; *Assoc. in Med., ibid., February 1-April 1, 1918*; *Act. Phys., ibid., April 1, 1918-January 1, 1919*; *Assoc. in Med., ibid., January 1, 1919-March 8, 1928*; Instr. in Med., Harv., 1927-30; Asst. Prof. of Med., *ibid.*; *Sr. Assoc. in Med., P. B. B. H.*

OLIVER, E. LAWRENCE

M.D., Harv., 1904; Med. H. O., B. C. H., 1905-07; Derm. H. O., M. G. H., 1907-09; Asst. Dermatologist, *ibid.*, 1910-23; Assoc. in Dermatology, *ibid.*, 1923-24; Dermatologist, *ibid.*, 1925-28; Chief, Dermatological Dept., *ibid.*, 1928-29; Chief, Dept. Dermatology and Syphilis, *ibid.*, 1929-36; Consult. Dermatologist, Boston Lying-in Hosp., Beth Israel Hosp., Children's Hosp., Long Island Hosp., Faulkner Hosp., Cable Mem. Hosp., Ipswich, Elliot Community Hosp., Keene, N. H., Mass. Eye and Ear Infirm.; Member, Board of Consultation, M. G. H.; Consult. Dermatologist, Salem Hosp., Salem, Mass., Mass. Soldiers' Home, Chelsea; Clin. Prof. Emeritus Dermatology and Syphilology, Harv.; *Consult. Dermatologist, P. B. B. H.*

OSGOOD, WINTHROP B.

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M.D., Med. Coll. of Va., 1938; *Med. H. O., P. B. B. H.*

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B.A., Pomona Coll., Claremont, Calif., 1929; M.D., Johns Hopkins, 1934; *Harvey Cushing Fellow, P. B. B. H., 1936-37; Jr. Assoc. in Surg., ibid., 1937-39.*

PORTER, RENO R.

A.B., Washington and Lee Univ., 1931; M.D., Med. Coll. of Va., 1935; Interne, State of Wis. Gen. Hosp., 1935-36; Asst. Res. in Med. (Pathol), *ibid.*, 1936-37; Asst. Res. in Med., *ibid.*, 1937-38; *Asst. Res. Phys., P. B. B. H.*

QUIGLEY, THOMAS BARTLETT

A.B., Harv., 1929; M.D., *ibid.*, 1933; Res. Pathol., Willard Parker Hosp., New York, 1933; *Surg. H. O., P. B. B. H., March 1, 1934-July 1, 1935; Harvey Cushing Fellow, July-December, 1935; George Gorham Peters Traveling Fellow, 1936; Jr. Assoc. in Surg., P. B. B. H., March-July, 1936; Asst. Res. Surg., ibid., July 1, 1936-November 1, 1937; Res. Surg., Doctors' Hosp., N. Y., 1938; Asst. in Surg., Harv.; Jr. Assoc. in Surg., P. B. B. H.*

QUINBY, WILLIAM CARTER

A.B., Harv., 1899; M.D., *ibid.*, 1902; House Pupil, M. G. H., 1902-03; Asst. G. U. Surg., Boston Disp., 1907-09; Asst. Surg., N. E. Baptist Hosp., Boston, 1908-14; in charge of Experimental Surg., Brady Clin., J. H. H., 1914-16; Assoc. in Urol., *ibid.*, 1915-16; Clin. Prof. G. U. Surg., Harv.; *Urol. Surg., P. B. B. H.*

REIFENSTEIN, GEORGE H.

A.B., Syracuse, 1932; M.D., *ibid.*, 1936; *Med. H. O., P. B. B. H., June 15, 1936-May 1, 1938; Instr. in Pathol., Syracuse Univ. Coll. of Med., 1938-39; Hendricks Fellow in Research (Pathol.) ibid.*

REITER, BENJAMIN R.

B.S., Princeton, 1930; M.D., Harv., 1934; *Surg. H. O., P. B. B. H., June 15, 1934-November 1, 1935; Res. Pathol., Philadelphia Gen. Hosp., 1935-36; Asst. Res. Surg., P. B. B. H., March 1, 1937-July 1, 1938.*

RICHARDS, LYMAN G.

A.B., Harv., 1916; M.D., *ibid.*, 1919; in Smyrna with Near East Relief, 1919; Surg. H. O., St. Luke's Hosp., New York, 1920-22; Mass. Eye and Ear Infirm., Ear, Nose and Throat Serv., 1922-24; Chief in Otolaryngology, Children's Hosp., 1924-35; Research Assoc. Otolaryngology, *ibid.*; Assoc. in Otolaryngology, N. E. Deaconess Hosp.; Assoc. in Otolaryngology, N. E. Baptist Hosp.; Consult. in Bronchoscopy, Union Hosp., Fall River; Consult. in Otolaryngology, N. E. Hosp. for Women and Children; Assoc. Prof. Otolaryngology, Tufts; *Assoc. in Otolaryngology, 1924-30, Consult. in Otolaryngology, 1930-32; Otolaryngologist, P. B. B. H.*

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ROSENBAUM, FRANCIS F.

B.S., M.D., Univ. Mich., 1936; Interne, Univ. of Mich. Hosp., 1936-38; *Asst. Res. Phys., P. B. B. H.*

RUTHERFORD, ROBERT B.

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RYDER, HENRY W.

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SALTER, WILLIAM THOMAS

A.B., Harv., 1922; M.D., *ibid.*, 1925; Med. Interne, 1925-27, Med. Res., 1927-28, Res. Fellow in Med., 1927-28, M. G. H.; Moseley Trav. Fellow, Harv., 1928-29; Research Fellow in Med., *ibid.*, 1928-29; Tutor and Instr. Bio-chemical Sciences, Harv., 1929-35; Asst. Prof., Bio-chemical Sciences, *ibid.*; Faculty Instr. in Med., *ibid.*; Asst. Prof. Med., *ibid.*; Research Fellow in Bio-chemistry to Harvard Cancer Comm.; Assoc. Phys., Huntington Mem. Hosp.; *Jr. Assoc. in Med., P. B. B. H., 1932-36; Assoc. in Med., ibid.*

SAMPSON, D. ALAN

B.A., Saskatchewan, 1923; M.D., McGill, 1931; H. O., Royal Victoria Hosp., 1930-33; in practice, Cookshire, Quebec, 1933-35; Interne in Radiology, Toronto Gen. Hosp., 1935-36; Interne in Roentgenology, Royal Victoria Hosp., 1936; Asst. Res. in Roentgenology, M. G. H., January-June, 1937; *Sr. Asst. Res. in Roent., P. B. B. H., 1937-38*; in practice, Philadelphia, Pa.

SCHNEIDER, JR., ADOLPH B.

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SCHNITKER, MAURICE ARTHUR

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SHEPARD, KARL

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STROCK, ALVIN EDWARD

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A.B., Yale, 1931; C.P.H., Harv., 1935; M.D., Tufts, 1937; Pathol. H. O., C. H., July-October, 1937; *Surg. H. O., P. B. B. H., 1937-38*; Asst. Pathol. and Res. in Pathol., St. Luke's Hosp., N. Y.

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WAITE, J. HERBERT

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1912; Research, Rockefeller Hosp., New York, 1912; *Sr. Med. H. O.*, *P. B. B. H.*, November 1, 1912-March 1, 1913; *Asst. Res. Phys.*, *ibid.*, March 1, 1913-March 1, 1914; *Act. Res. Phys.*, *ibid.*, March 1, 1914-January 1, 1915; *Asst. Res. Phys.*, *ibid.*, January 1, 1915-March 1, 1915 (*granted leave of absence from March 1, 1915-September 1, 1915*); *Med. Chief. Hosp. A^b. 32^{b1s}* Passy Yonne, France, 1915; *Asst. in Pharmacol.*, Harv., 1916; *Alumni Asst. in Med.*, *ibid.*, 1916-17; *Act. Phys.*, *P. B. B. H.*, August 1, 1917-February 1, 1918, and April 1, 1918-December 16, 1918; *Asst. Prof. of Med.*, Harv., 1918-19; *Assoc. in Med.*, *P. B. B. H.*; in practice, Boston.

WALTER, CARL W.

A.B., Harv., 1928; M.D., *ibid.*, 1932; *Surg. H. O.*, *P. B. B. H.*, January 1, 1933-March 1, 1934; *Harvey Cushing Fellow*, *ibid.*, 1934-35; *Arthur Tracy Cabot Fellow*, Harv., 1935-36; *Jr. Assoc. in Surg.*, *P. B. B. H.*, July 1, 1935-March 1, 1936; *Asst. Res. Surg.*, *ibid.*, March 1, 1936-July 1, 1937; *Director, Lab. of Surg. Research*, Harv.; *Instr. in Surg.*, *ibid.*; *Jr. Assoc. in Surg.*, *P. B. B. H.*

WARREN, DRAPER

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WARREN, RICHARD

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A.B., Princeton, 1932; M.D., Harv., 1936; *Med. H. O.*, *P. B. B. H.*, February 15, 1937-November 1, 1938; *Asst. Phys.*, Middlesex Co. San.

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5, 1934; *First Asst. Supt.*, *ibid.*, March 5, 1934-April 1, 1937; Supt., Butterworth Hosp., Grand Rapids, Mich., 1937-39; Supt., P. B. B. H.

WILKINS, GEORGE FRANKLIN

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WILLIAMS, MCCHORD

B.S., Furman Univ., 1932; M.A., Duke, 1933; M.D., Harv., 1937; *Surg. H. O.*, P. B. B. H.

WOLBACH, SIMEON BURT

Stud., Harv., 2 yrs.; M.D., *ibid.*, 1903; Second Asst. in Pathol., B. C. H., 1903-04; First Asst. in Pathol., *ibid.*, 1904-05; Second Asst. Visit. Pathol., *ibid.*, 1905-08; Pathol., Long Island Hosp., Boston, 1905-08; Pathol., Boston Floating Hosp., 1905-08; Pathol., Mass. Infants' Asylum, 1905-08; Asst. in Pathol., Harv., 1905-06; Instr. in Pathol., *ibid.*, 1906-08; Adjunct Prof. of Pathol. and Bacteriol., Albany Med. Coll., 1908-09; Director, Bender Hygienic Lab., Albany, N. Y., 1908-09; Pathol., Albany City Hosp., 1908-09; Pathol., St. Peter's Hosp., Albany, 1908-09; Pathol., St. Margaret's House, Albany, 1908-09; Lecturer in Pathol., McGill Univ., 1909-11; Director, Histol. Lab., *ibid.*, 1909-11; Director, Montreal Gen. Hosp. Lab., 1909-11; Asst. Prof. of Bacteriol., Harv., 1910-14; Assoc. Prof. of Bacteriol., *ibid.*, 1914-16; Pathol., Children's Hosp., Boston; in charge of Typhus Research Hosp., Poland, January-August, 1920; Fellow, Am. Acad. of Arts and Sciences, 1914; Visit. Pathol., Children's Hosp., Boston, 1915; Corr. Mem. Société de Pathologie Exotique, Paris; Commander, Order of Polonia Restituta; Shattuck Prof. Pathol. Anat., Harv.; *Pathologist*, P. B. B. H.

WOOD, NATHANIEL KNIGHT

A.B., Harv., 1897; M.D., *ibid.*, 1901; H. O., B. C. H., 1902-04; H. O., Boston Lying-In Hosp., 1904; Visit. Phys., Carney Hosp., O. P. D., 1907-12; Visit. Phys., Boston Consumptives' Hosp., O. P. D., 1909-17; Phys., Boston Disp., 1912-18; *Assoc. in Med.*, P. B. B. H.

ZINSSER, HANS

A.B., Columbia, 1899; A.M., M.D., *ibid.*, 1903; Sc.D., Hon. Caus., *ibid.*, 1929; Sc.D., Hon. Caus., Western Reserve Univ., 1931; Hon. Sc.D., Lehigh Univ., 1933; House Staff, Roosevelt Hosp., 1903-05; Bacteriologist, *ibid.*, 1905-06; Asst. Bacteriologist, Columbia Univ., 1905-06; Asst. Pathol., St. Luke's Hosp., 1907-10; Instr. in Bacteriology, Columbia, 1908-10; Assoc. Prof. Bact., Leland Stanford Univ., 1910-11; Prof. of Bact., *ibid.*, 1911-13; Red Cross Exp. to Serbia, 1915; Medical Corps., A. E. F., 1917-19; Prof. Bact., Columbia, 1913-23; Bacteriologist, Presbyterian Hosp., 1913-23; San. Comm. to Russia (League of Nations) 1923; Exchange Prof., Univ. of Paris, 1935; Chief of Bact. Serv., Children's Hosp.; Chief of Bact. Serv., Infants' Hosp.; Prof. of Bact., Harv.; *Consult. Bact.*, P. B. B. H.

REGISTER OF PRESENT MEMBERS OF THE STAFF

ZOLLINGER, ROBERT

B.S., Ohio State Univ., 1925; M.D., *ibid.*, 1927; H. O., Inst. for Feeble-Minded, Columbus, Ohio, 1925-27; Vol. Asst., Lab. of Surg. Research, Lakeside Hosp., July, 1927-January, 1928; *Surg. H. O., P. B. B. H., January 1, 1928-May 1, 1929*; Asst. Phys., Inst. for Feeble-Minded, Columbus, Ohio, May, 1929-July, 1929; Asst. Res. Surg., Lakeside Hosp., July 1, 1929-July 1, 1930; Crile Research Fellow in Surg., and Director of Lab. of Surg. Res., Western Reserve Univ., 1930-31; Demonstr. in Surg., *ibid.*, 1930-32; Asst. Res. in Surg., Lakeside Hosp., 1931-32; Res. Surg., *ibid.*, July-September, 1932; *Res. Surg., P. B. B. H., September, 1932-July, 1934*; Instr. in Surg., 1932-36, Austin Teach. Fellow in Surg., Assoc. in Surg., Harv.; *Jr. Assoc. in Surg., P. B. B. H., 1934-37*; *Sr. Assoc. in Surg., ibid.*

Register of Former Members of the Staff

ABELL, JR., WILLIAM IRVIN

B.A., Yale, 1931; M.D., Univ. of Louisville, 1935; *Surg. H. O., P. B. B. H., June 15, 1935-November 1, 1936*; in practice, Louisville, Ky.

ADAMS, FRANK DENNETTE

Litt.B., Princeton, 1913; M.D., Harv., 1917; Med. H. O., M. G. H., 1917-18; First Lieut., M. C., U. S. Army, 1918-19; *Pathol. H. O., P. B. B. H., October 1, 1919-March 15, 1920*; *Act. Res. Pathol., ibid., March 15-July 1, 1920*; Res. Phys., B. C. H., 1920-22; Lect. in Med., Univ. of N. C., Extension Div., 1922 and 1923; H. O., So. Dept., B. C. H., 1922; Assoc. in Therapeutics, George Washington Univ.; Instr. in Med., Georgetown Univ., 1923; Assoc. Phys., M. G. H.; Asst. in Med., Harv., 1923-29; Instr. in Med., Harv.; in practice, Boston.

ADAMS, LEYLAND J.

M.D., C.M., McGill, 1927; Interne in Pathol., Montreal Gen. Hosp., 1927-28; Interne in Med., *ibid.*, 1928-29; Interne in Surg., *ibid.*, 1929-30; *Asst. Res. Phys., P. B. B. H., September 1, 1930-July 1, 1932*; Demonstr. in Med., McGill; Assoc. in Med., Montreal Gen. Hosp.; in practice, Montreal.

ALEXANDER, HARRY LOUIS

A.B., Williams, 1910; M.D., Columbia, 1914; H. O., Presbyterian Hosp., New York, 1914-16; *Asst. Res. Phys., P. B. B. H., September 15, 1916-July 6, 1917*; Major, M. C., U. S. Army; Instr. in Med., Cornell, 1919-24; Asst. Adjunct Attend. Phys., 2nd Med. Div., Bellevue Hosp., New York, 1919-24; Attend. Phys. and Visit. Pathol., Overlook Hosp., Summit, N. J., 1920-24; Chief of Asthma Dept., Cornell Clin., New York, 1921-24; Editor, *Journal of Allergy*; Assoc. Prof. Clin. Med., Washington Univ., and Assoc. Phys., Barnes Hosp. and St. Louis Maternity Hosp.; Consult. Phys., St. Louis City Hosp.; Phys., Jewish Hosp.

ALSEVER, JOHN BELLOWES

A.B., Syracuse Univ., 1930; M.D., Harv., 1934; Asst. in Pathol., Syracuse Med. Sch., 1934-35; *Med. H. O., P. B. B. H., February 15, 1935-July 1, 1936*; *Asst. Res. Phys., ibid., July 1, 1936-July 1, 1937*; in practice, Syracuse, N. Y.

ALT, HOWARD L.

B.S., Northwestern, 1923; M.D., 1924, M.S., 1933, Ph.D., 1934, *ibid.*; H. O. in Med. and Surg., Wesley Mem. Hosp., Chicago, 1923-25; *Asst. Res. Phys., P. B. B. H., July 1, 1925-September 1, 1927*; Teaching Fellow in Med., Harv.; *Res. Phys., P. B. B. H., September 1, 1927-September 1, 1929*; Asst. in Kaiser Wilhelm Inst. für Biologie, Berlin, Prof. Warburg, October, 1929-April, 1930; Asst. in Med.

REGISTER OF FORMER MEMBERS OF THE STAFF

Clin., Univ. of Würzburg, Prof. Grafe, May-August, 1930; Assoc. in Med. and Instr. in Chemistry, Northwestern Univ. Med. Sch., and Passavant Mem. Hosp., Chicago, 1930-36; Asst. Prof. of Med. and Instr. in Chem., Director of Laboratories, Director of Student Health, *ibid.*

ALT, RICHARD E.

A.B., Harv., 1927; M.D., *ibid.*, 1931; H. O., M. G. H., 1931-33; *Fellow in Urol., P. B. B. H.*, 1933-35; in practice, Beverly, Mass.

ALTNOW, HUGO OSKAR

M.D., Univ. of Mich., 1907; Interne and Asst. Surg., Northern Pac. Ry. Hosp., Brainerd, Minnesota, 1907-09; Surg., Northern Pac. Ry., and Private Practice, Mandan, N. D., 1909-24; Visit. Phys., Mandan Deaconess Hosp., 1919-24; Grad. Asst. in Neurol., O. P. D., M. G. H., May 1-July 1, 1924; *Jr. Assoc. in Med., P. B. B. H.*, July 11, 1924-July 1, 1925; Visit. Phys., Glen Lake San.; in practice, Minneapolis, Minn.

ALTSCHULE, MARK D.

B.S., College of City of N. Y., 1927; M.D., Harv., 1932; *Pathol. H. O., P. B. B. H.*, January-July, 1932; Med. H. O., Beth Israel Hosp., November, 1932-April, 1934; Res. in Med. Research, *ibid.*, 1934-35; Research Fellow in Med., Harv., 1934-35; Asst. in Med., *ibid.*; Research Assoc., Beth Israel Hosp.; Assoc. Phys., *ibid.*

ANDERSON, FREDERICK MATHER

B.S., Univ. of Nevada, 1928; B.A., Oxford, 1931; M.D., Harv., 1934; *Surg. H. O., P. B. B. H.*, February 15, 1935-July 1, 1936; Asst. Res. Surg., New Haven Hosp., 1936-38; in practice, Carson City, Nevada.

ARMSTRONG, WILBER P.

A.B., Univ. of Ill., 1920; M.D., Harv., 1923; Interne, Fifth Ave. Hosp., New York City; *Surg. H. O., P. B. B. H.*, January 6-July 1, 1925; in practice, Springfield, Ill.

ATWATER, REGINALD MYERS

A.B., Colorado Coll., 1914; M.D., Harv., 1918; C.P.H., Johns Hopkins, 1920; Dr. P.H., *ibid.*, 1921; *Med. H. O., P. B. B. H.*, March 1, 1918-April 15, 1919; Dept. of Hygiene, Hunan-Yale College of Med., Changsha, Hunan, China, 1921-25; Inst. Epidemiology, Harv. Sch. Public Health, 1925-27; Comm. of Health, Cattaraugus Co. Dept. of Health, Olean, N. Y., 1927-35; Exec. Sec., American Public Health Assoc., New York; Managing Editor, American Journal of Public Health.

BAGLEY, JR., CHARLES

M.D., Univ. of Md., 1904; A.B., Loyola, 1911; Asst. Res. Phys., Univ. Hosp., Baltimore, 1904-05; Asst. Res. Surg., *ibid.*, 1905-06; Med. Supt., Hebrew Hosp., Baltimore, 1906-10; *Asst. Res. Surg., P. B. B. H.*, January 1, 1913-January 1, 1914; Major, M. C., U. S. Army, 1917-19; Visit. Surg., Sinai Hosp., Church Home and Infirm.,

PETER BENT BRIGHAM HOSPITAL

St. Agnes' Hosp., Bon Secours Hosp., W. Baltimore Gen. Hosp., Maryland Gen. Hosp., and Union Mem. Hosp., Baltimore; Consult. Surg., Baltimore Eye, Ear and Throat Charity Hosp., etc.; Prof. Neurol. Surg., Univ. Md. Med. Sch.; Assoc. in Exper. Neurol., Johns Hopkins; Asst. Psychiatrist, J. H. H., Baltimore; Consult. Neuro-Surgeon, U. S. P. H. S.; in practice, Baltimore.

BAILEY, ORVILLE T.

A.B., Syracuse, 1928; M.D., Albany Medical Coll., 1932; Interne, Albany Hosp., 1932-33; *Pathol. H. O., P. B. B. H.*, 1933-34; Pathol. Res., Children's Hosp., 1934-35; Instr. in Pathol., Harv.; *Res. Pathol., P. B. B. H.*, 1935-37; Junior Fellow (Society of Fellows), Harv.

BAILEY, PERCIVAL

B.S., Univ. of Chicago, 1914; Ph.D., *ibid.*, 1918; M.D., Northwestern Univ., 1918; Asst. in Embryology, Univ. of Chicago, 1914; Asst. in Anatomy, *ibid.*, 1914-15; Asst. in Anatomy, Northwestern Univ., 1915-17; Assoc. in Anat., Univ. of Chicago, 1917-18; Surg. H. O., Mercy Hosp., Chicago, 1918-19; *Asst. Res. Surg., P. B. B. H.*, April 1-December 19, 1919; Res. Phys., Neurol. Service, Cook County Hosp., Chicago, 1920; Res. Phys., Psychopathic Hosp., Chicago, 1920; Arthur Tracy Cabot Fellow, Harv., 1920-21; *Assoc. in Surg., P. B. B. H.*, September 1, 1920-July 1, 1921; Asst. Etranger à la Salpêtrière, Paris, 1921-22; *Jr. Assoc. in Surg., P. B. B. H.*, July, 1922-September, 1923; Asst. Etranger à l'Hospice Sainte Anne, Paris, 1925-26; Instr. in Surg., Harv.; *Assoc. in Surg., P. B. B. H.*, 1926-28; Prof. Surg., Univ. of Chicago.

BALDWIN, LOUIS B.

Litt.B., Princeton, 1915; M.D., Columbia, 1919; Interne, Presbyterian Hosp., New York, April, 1919-July, 1920; Interne, Sloane Hosp., New York, September, 1920-December, 1920; Assoc. in Med., Presbyterian Hosp., New York, January, 1921-July, 1921; *Asst. Res. Phys. (acting) P. B. B. H.*, December 20, 1921-February 1, 1922; Asst. Prof. and Instr. in Med., Strong Mem. Hosp., Rochester, N. Y.; Phys., Rochester Gen. Hosp., Rochester, N. Y.; Grunow Clin., Phoenix, Ariz.; Med. Director, Desert Sanatorium, and Inst. of Research, Tucson, Ariz., 1934-37; in practice, Phoenix, Ariz.

BALYEAT, RAY MORTON

A.B., Oklahoma, 1912; M.S., 1915, M.A., 1916, M.D., 1918, *ibid.*; *Med. H. O., P. B. B. H.*, 1916-19; Assoc. Prof. of Med., and Lect. on Allergic Diseases, Univ. of Oklahoma; Consult. Phys., St. Anthony's Hosp. and State Univ. Hosp., Oklahoma City; in practice, Oklahoma City.

BARKER, M. HERBERT

B.S., Univ. of Chicago, 1923; M.S., Northwestern Univ., 1930; M.D., Rush Med. College, 1925; H. O., Wesley Memorial Hosp., 1925-27; *Med. H. O., P. B. B. H.*, January 1-March 1, 1927; *Asst. Res. Phys., ibid.*, July 1, 1927-July 1, 1929; Res. Phys., Passavant Mem.

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Hosp., Chicago, 1929-31; Consult. in Cardio-Renal Dis., Hines Mem. Hosp., 1931-36; Director, Renal Clin., Northwestern Univ. Med. Clin.; Asst. Prof. in Med., Northwestern Univ.; Attend. Phys., Passavant Mem. Hosp.; in practice, Chicago, Ill.

BARR, JOSEPH SEATON

B.S., College of Wooster, Wooster, Ohio, 1922; M.D., Harv., 1926; Stud. H. O., Huntington Mem. Hosp., 1924-25; *Surg. H. O., P. B. B. H., July 1, 1926-November 1, 1927*; P. G. course, Orth. Surg., Children's Hosp. and M. G. H., January, 1928-September, 1929; Asst. Orthopedic Surg., M. G. H.; Asst. Surg., N. E. Peabody Home for Crippled Children; Asst. in Orthopedic Surg., Harv.

BARROW, WILLIAM HULBERT

A.B., Harv., 1908; M.D., *ibid.*, 1916; *Med. H. O., P. B. B. H., November 1, 1916-June 17, 1917*; Lieut. and Capt., M. C., U. S. Army, 1917-21; Med. Advisor, Middlesex School, Concord, Mass., 1921-22; Med. Advisor and Prof. of Phys. Education, Stanford Univ., 1922-27; Asst. Clin. Prof. Med., *ibid.*, 1926-27; Assoc. Clin. Prof. Med., *ibid.*, 1927-28; Staff member, Mercy and Scripps Memorial Hospitals; Member, Visiting and Consult. Staff, San Diego Co. Hosp.; President, Southern Calif. Med. Assoc.; Sec., Gen. Med. Section, Calif. Med. Assoc.; in practice, San Diego, Calif.

BARTRAM, EDWARD A.

M.D., Univ. of Western Ontario, 1928; Rotating Interne, Montreal Gen. Hosp., 1928-29; Sr. in Pathol., *ibid.*, 1929-30; Demonstrator in Pathol., McGill Univ., 1929-30; Sr., Med. Serv., Montreal Gen. Hosp., 1930-31; Asst. in Med., Harv., 1931-32; *Asst. Res. Phys., P. B. B. H., July 1, 1932-August 15, 1933*; Instr. in Med., and in Electrocardiography, Univ. Western Ontario; Asst. Phys., Victoria Hosp. and St. Joseph's Hosp., London, Ont.; in practice, London, Ont., Can.

BATES, ROBERT REED

B.S., Northwestern, 1931; M.D., *ibid.*, 1932; Interne, Passavant Mem. Hosp., 1932-33; *Surg. H. O., P. B. B. H., April 1, 1933-September 1, 1933 (resigned)*; *Surg. H. O., P. B. B. H., October 15, 1934-March 1, 1936*; Surg. Fellow, Passavant Mem. Hosp., Chicago, 1936-37.

BECK, CLAUDE S.

A.B., Franklin and Marshall College, 1916; Grad. Sch., Univ. of Pittsburgh, 1916-17; M.D., Johns Hopkins, 1921; Sc.D., Franklin and Marshall Coll., 1937; Res. H. O., J. H. H., 1921-22; Asst. Res. Surg., New Haven Hosp., 1922-23; Arthur Tracy Cabot Fellow, Harv., and *Assoc. in Surg., P. B. B. H., 1923-24*; Crile Fellow in Surg.; in charge Surg. Lab., Western Reserve Univ., Cleveland, Ohio, 1924-25; Instr. in Surg., Western Reserve Med. School; Res. Surg., Lakeside Hosp., Cleveland, 1926-27; *Asst. Res. Surg., P. B. B. H., April 9-June, 1927*; Instr. in Surg., Western Res. Univ.

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School of Med.; Asst. Surg., Lakeside Hosp., 1927-28; Assoc. Surg., *ibid.*; Asst. Prof. Surg., Western Reserve Univ. Sch. of Med., 1928-33; Assoc. Prof. Surg., *ibid.*

BELT, A. ELMER

M.D., Univ. of Cal., 1920; Fellow, Hooper Research Laboratories, *ibid.*; Asst. in Urol. Surg., Univ. Hosp., for a year; *Asst. Res. Surg.*, *P. B. B. H.*, July 1, 1922-July 1, 1923; in practice, Los Angeles.

BENET, GEORGE

Student for three years, Univ. of S. C., and Univ. of Va.; M.D., Harv., 1913; *Med. H. O.*, *P. B. B. H.*, June 1, 1913-July 1, 1914; Sr. Surg. H. O., St. Luke's Hosp., Chicago, July 1, 1914-January 1, 1915; Lab. Asst. Harv. Unit, Am. Ambulance Hosp., Paris, France, 1915; Surg. at French Hosp. near Annel, 1915-16; Capt. and Asst. Surg., 2nd Harv. Unit, B. E. F., France, 1916; Res. Phys., Collis P. Huntington Mem. Hosp., 1916-17; Surg., Fulham Military Hosp., London, England, 1917; M. R. C., U. S. Army, 1917-18; Capt., M. C., U. S. Army; Battalion Med. Officer to 16th Devons Infantry Reg., (British) 1918; Awarded British Military Cross, 1918; Asst. Visit. Surg., Richland Co. Hosp.; Chief Surg., South Carolina State Hosp.; Attend. Surg., Newberry Co. Hosp.; Assoc. Staff, Marlboro Co. Hosp.; Consult., Gen. Surg., U. S. Veterans' Hosp.; in practice, Columbia, S. C.

BENNETT, DARWIN E.

B.S., Whitman, 1924; M.D., Harv., 1931; *Pathol. H. O.*, *P. B. B. H.*, July 1, 1931-January 1, 1932; *Surg. H. O.*, *ibid.*, January 1, 1932-May 1, 1933; in practice, Fitchburg, Mass.

BENNETT, GRANVILLE A.

B.S., Univ. of Iowa, 1923; M.D., *ibid.*, 1925; Surg. Interne, Iowa State Univ. Hosp., 1925-26; Clin. Asst. Pathol., Bacteriol. and Surgery, 1926-27; *Res. Pathol.*, *P. B. B. H.*, September 1, 1927-September 1, 1929; Instr. of Pathol., 1934-35, Assoc. in Pathol., Harv., 1935-37; Asst. Prof. *ibid.*

BENTON, ROY WILMOT

Ph.B., Brown Univ., 1918; M.D., Harv., 1922; *Med. H. O.*, *P. B. B. H.*, November 1, 1922-March 1, 1924; H. O., New York Nursery and Child's Hosp., 1924-25; H. O., Providence City Hosp., 1925; Resident Phys., *ibid.*, 1925-26; Asst. Supt., *ibid.*, 1926-28; Asst. Director, A. O. Smith Diag. Clin., Milwaukee, Wis., 1928-32; Health Commissioner, Village of Shorewood, Wis., 1932-34; Asst. Med. Director, Northwestern Mutual Life Ins. Co., Milwaukee.

BERGLUND, HILDING

M.D., Univ. of Stockholm, 1916; S.D., *ibid.*, 1920; Asst. Phys., Stockholm Hosp., 1915-19; Asst. Prof. Int. Med., Univ. of Stockholm, 1920; *Asst. Res. Phys.*, *P. B. B. H.*, July 5, 1921-September 1, 1923; Asst. Prof. Medicine, Harv.; *Assoc. in Med.*, *P. B. B. H.*,

REGISTER OF FORMER MEMBERS OF THE STAFF

September 1, 1923-November 1, 1925; Prof. of Med., Univ. of Minn., and Chief, Dept. of Med., Univ. Hosp., 1925-32; Physician, S:t Erik's Hosp., Stockholm; in practice, Stockholm, Sweden.

BERRY, ARTHUR N.

B.A., Univ. of the South, 1926; M.D., Harv., 1930; House Surg., Free Hosp. for Women, August 1, 1930-March 31, 1931; *Surg. H. O., P. B. B. H., April 1, 1931-May 1, 1932*; House Phys., B. L. I., 1932; in practice, Columbus, Ga.

BERRY, FRANK BROWN

A.B., Harv., 1914; M.D., *ibid.*, 1917; Pathol. H. O., B. C. H., July-December, 1917; *Med. H. O., P. B. B. H., January 9-March 1, 1918*; First Lieut. and Capt., M. C., U. S. Army, 1918-19; First Asst. Pathol., B. C. H., 1919-20; Surg. H. O., Presbyterian Hosp., New York, 1920-21; in practice, Providence, R. I., 1921-23; Res. Surg., Bellevue Hosp., New York, 1923-24; Asst. Prof. Surg., Columbia; Assoc. Surg., Bellevue and Roosevelt Hospitals; in practice, New York City.

BIRD, CLARENCE EDWARD

A.B., Univ. Cal., 1920; M.D., Harv., 1923; Interne, Indian Harbor Hosp., Labrador, with Grenfell Mission, 1922; *Surg. H. O., P. B. B. H., July 1, 1923-November 1, 1924*; Asst. in Surg. and Pathol., Yale, 1924-25; *Asst. Res. Surg., P. B. B. H., July 1, 1925-October 1, 1926*; *Res. Surg., ibid., October 1, 1926-September 12, 1928*; in practice, Los Angeles, Calif., 1929-31; Prof. of Surg., Univ. of Louisville, 1931-38; Surg. in Chief, Louisville City Hosp., 1931-38; in practice, Providence, R. I.

BISHOP, COURTNEY CRAIG

A.B., Yale, 1926; M.D., *ibid.*, 1930; *Surg. H. O., P. B. B. H., October 1, 1930-May 1, 1932*; *Asst. Res. Surg., ibid., May-September, 1932*; Asst. Res. Surg., N. Y. Hosp.; Asst. in Surg., Cornell Med. Sch., 1932-36; Res. Surg., N. Y. Hosp.; Instr. in Surg., Cornell, 1936-38; Asst. Attend. Surg., New Haven Hosp.; Clin. Instr. Surg., Yale; in practice, New Haven, Conn.

BLAIN, DANIEL

B.A., Washington and Lee Univ., 1921; M.D., Vanderbilt, 1929; *Med. H. O., P. B. B. H., October 15, 1929-March 1, 1931*; Neurol. Serv., B. C. H., 1931-32; Fellow in Psychiatry, Austen Riggs Foundation, Stockbridge, Mass., 1931-32; Resident, Silver Hill San., New Canaan, Conn., 1933-34; Attend. Psychiatrist, Blythewood San., Greenwich, Conn.; in practice, Psychiatry, New York City.

BLAKE, FRANCIS GILMAN

A.B., Dart., 1908; M.D., Harv., 1913; *Med. H. O., P. B. B. H., July 1, 1913-November 1, 1914*; *Asst. Res. Phys., ibid., November 1, 1914-September 1, 1915*; *Res. Phys., ibid., September 1, 1915-October 1, 1916*; Moseley Traveling Fellow (Harv.), 1916-17; Asst.,

PETER BENT BRIGHAM HOSPITAL

Rockefeller Inst. Hosp., 1916-17; Asst. Prof. of Med., Univ. of Minn., 1917-19; Visit. Phys., Elliott Mem. Hosp., Univ. of Minn., 1917-19, (leave of absence February 11, 1918-July 1, 1919); Assoc. in Med., Rockefeller Inst. Hosp., 1919-20; Assoc. Mem. in Med., Rockefeller Inst. Hosp., 1920-21; Mem., Board Scientific Directors, Rockefeller Inst. for Med. Research, 1924-35; Chairman, Div. Med. Sci., Nat. Research Council, 1933-36; Sterling Prof. of Med., Yale Univ., School of Med.; Phys.-in-Chief, New Haven Hosp., New Haven, Conn.

BLOSSER, HAROLD L.

A.B., Grinnell Coll., Grinnell, Iowa; M.D., Harv., 1925; *Pathol. H. O., P. B. B. H., January 1, 1925-January 1, 1926*; Grad. Asst. Roent., M. G. H., 1926; Surg. H. O., Lakeside Hosp., 1926-27; Asst. Res. Surg., *ibid.*, 1927-29; in practice, Portland, Ore.

BLUMGART, HERRMAN L.

B.S., Harv., 1917; M.D., *ibid.*, 1921; *Med. H. O., P. B. B. H., July 1, 1921-November 1, 1922*; Moseley Traveling Fellow, Harv., 1923; Asst., Thorndike Mem. Lab., B. C. H., 1924-28; Asst. in Med., Harv., 1924-27; Faculty Instr., *ibid.*, 1927-28; Asst. Prof. of Med., *ibid.*, 1928-29; Assoc. Prof. of Med., *ibid.*; Visit. Phys., Beth Israel Hosp.; Director, Med. Research, *ibid.*

BOEHM, JULIUS BENJAMIN

B.S., St. Louis Univ., 1910; M.D., Johns Hopkins, 1914; *Surg. H. O., P. B. B. H., November 1, 1914-November 1, 1915*; Res. Surg., Greenpoint Hosp., Brooklyn, N. Y., 1915-18; Surg. Serv., Walter Reed Hosp.; Chief Surg., Trinity Hosp., Brooklyn, N. Y.

BOGGS, ARTHUR GORDON

A.B., Dart., 1915; M.D., Harv., 1919; *Surg. H. O., P. B. B. H., March 15, 1919-July 1, 1920*; New Haven Hosp., New Haven, Conn.; Med. Missionary, Clough Mem. Hosp., Ongole, South India.

BOONE, JOHN A.

A.B., Univ. of Texas, 1927; A.M., *ibid.*, 1929; M.D., Harv., 1933; H. O., M. G. H., 1933-34; H. O., House of Good Samaritan, 1934; *Med. H. O., P. B. B. H., October 15, 1934-March 1, 1936*; Research Fellow in Med., Harv., 1936; *Asst. Res. Phys., P. B. B. H., September 1, 1936-September 1, 1937*; Instr. in Med., Medical Coll. of S. C., Charleston.

BOOTH, GEORGE

B.S., Allegheny Coll., 1922; M.D., Harv., 1926; *Med. H. O., P. B. B. H., March 1, 1927-July 1, 1928*; Instr. in Med., Univ. of Pittsburgh; Phys., Western Pennsylvania Hosp.; Director, Renzielhansen Memorial Ward, Children's Hosp., Pittsburgh; Chief, Diabetic Service, *ibid.*; in practice, Pittsburgh, Pa.

BOOTHBY, WALTER MEREDITH

A.B., Harv., 1902; M.D., *ibid.*, 1906; A.M., *ibid.*, 1907; European clinics for eight months, 1907-08; Surg. H. O., B. C. H., 1908-09;

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Asst. in Anat., Harv., 1910-14; Asst. in Anesthesia, Harv. Grad. School of Med., 1912-13; Sheldon Traveling Fellow, Harv. (Oxford Univ., largely); Anesthetist, B. C. H., 1912; *Supervisor of Anesthesia*, P. B. B. H., December 11, 1913-November 14, 1916; Lect. on Anesthesia and Instr. in Anat., Harv., 1914-16; Capt. and Major., M. C., U. S. Army, 1917-19; Prof. of Exp. Metabolism, Grad. Sch. of Med., Univ. of Minn., Head of Section on Metabolic Invest. and Assoc. in Div. of Bio-Chemistry, Mayo Clin., Rochester, Minn.

BOWEN, JOSEPH ANDREW

M.D., Univ. of Cincinnati, 1925; Interne, Cinn. Gen. Hosp., 1925-26; Fellow in Surg., Cleveland Clin., 1926-28; *Asst. Res. Surg.*, P. B. B. H., July 15, 1928-July 15, 1929; in practice, Louisville, Ky.

BOWIE, MORRIS A.

A.B., Univ. of Col., 1925; M.D., Harv., 1929; *Med. H. O.*, P. B. B. H., July 1, 1929-November 1, 1930; Instr. in Med., Univ. of Pa.; in practice, Rosemont, Pa.

BOYD, DOUGLAS

Univ. of Ga.; M.D., Harv., 1922; H. O., Robert Brigham Hosp., Boston, 1921-22; Asst. Res. Phys., Boston Sanatorium, 1922-23; *Surg. H. O.*, P. B. B. H., March 1, 1923-July 1, 1924; *Aet. Asst. Res. Surg.*, *ibid.*, July 1-August 1, 1924; Asst. in Med., Rockefeller Inst., 1924-25; Asst. Res. Phys., Hosp. of Rockefeller Inst.; Asst. Res. Surg., Lakeside Hosp., 1925-26; Res. Orthopedic Surg., Rainbow Hosp., Cleveland, Ohio, 1926; Instr. in Med., Northwestern Univ. Med. Sch.; in practice, Highland Park and Chicago, Ill.

BOYD, WALTER WILLARD

E.E., Univ. of Va., 1920; M.S., M. I. T., 1922; M.D., Harv., 1928; *Surg. H. O.*, P. B. B. H., October 1, 1928-February 1, 1930; House Phys., B. L. I., 1930-31; *Asst. Res. Surg.*, P. B. B. H., April 1, 1931-January 15, 1932; Asst. Res., Boston Lying-In Hosp., July 1, 1932-December 1, 1933; Res., *ibid.*, December 1, 1933-July 1, 1934; in practice, Boston, 1933-35; Asst. Obstetrician, M. G. H., 1933-35; Jr. Assoc. Obst., Garfield Mem. Hosp.; in practice, Washington, D. C.

BOYDEN, HORACE MAYO

A.B., Univ. of Oregon, 1927; M.D., Univ. of Mich., 1930; *Med. H. O.*, P. B. B. H., November 1, 1930-February 3, 1931. Died February 3, 1931.

BOYES, JOSEPH H.

A.B., Stanford, 1926; M.D., *ibid.*, 1930; H. O., Pathol., M. G. H., July, 1929-June, 1930; *Surg. H. O.*, P. B. B. H., July 1, 1930-November 1, 1931; Res. Surg., Stanford Univ. Med. Sch. Hosps., San Francisco, 1931-32; Asst. in Surg., Stanford Univ. Sch. of Med. & Clin. Instr. in Surg., 1932-38; in practice, Los Angeles, Calif.

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BRADLEY, JOHN I.

A.B., Georgetown Univ., 1920; M.D., Harv., 1925; Pathol. Interne, B. C. H., 1925; *Surg. H. O., P. B. B. H., November 1, 1925-March 1, 1927*; Asst. Pathol., M. G. H., 1927-35; Asst. in Psychiatry, Pennsylvania Hosp., 1936-38; Asst. in Psych., Johns Hopkins.

BRANCH, CHARLES D.

A.B., Univ. Mich., 1927; M.D., *ibid.*, 1931; Interne, Lakeside Hosp., 1931-33; *Asst. Res. Surg., P. B. B. H., March 1, 1933-July 1, 1934*; Arthur Tracy Cabot Fellow, Harv., 1934-35; *Jr. Assoc. in Surg., July 1, 1934-July 1, 1935, Res. Surg., July 1, 1935-December 1, 1936, P. B. B. H.*; Instr. in Surg., Harv., 1935-37; *Jr. Assoc. in Surg., P. B. B. H., December 1, 1936-July 1, 1937*; in practice, Peoria, Ill.

BRENNER, CHARLES

A.B., Harv., 1931; M.D., *ibid.*, 1935; *Med. H. O., P. B. B. H., October 15, 1935-July 1, 1937*; Jr. Phys. and Res., Boston Psycho. Hosp., 1937-38; Neurol. H. O., B. C. H.

BRIGHAM, FERDINAND

A.B., Tufts Coll., 1912; D.M.D., H.D.S., 1915; *Dental Surg., P. B. B. H., March 13, 1919-January 20, 1920*; Capt., R. A. M. C., 1915-19; Degree, Dental Surg., Fac. of Med., Paris; in practice, Paris, France.

BRIGHAM, ROBERT B.

A.B., Williams, 1924; M.D., Harv., 1928; *Surg. H. O., P. B. B. H., October 1, 1928-June 1, 1929 (resigned)*; H. O., Good Samaritan Hosp., Portland, Ore., July, 1929-July, 1930; in practice, Northampton, Mass.; *died November 26, 1937.*

BRIGHT, ERNEST F.

A.B., Hiram Coll., Ohio, 1925; M.D., Harv., 1929; H. O., Broadway Maternity Hosp., Cambridge, Mass., 1926-27; Pathol. H. O., Palmer Mem. Hosp., 1929-30; Interne in Surg., Lakeside Hosp., 1930-31; Crile Teach. Fellow in Surg., Western Reserve Univ., 1931-32; Asst. Res. Surg., Lakeside Hosp., July-August, 1932; *Asst. Res. Surg., P. B. B. H., September 1, 1932-November 1, 1933*; Chief Surg. Res., Lakeside Hosp., 1934-35; Instr. in Surg., Western Reserve Univ., 1935-37; Exec. Asst. to Director of Surg., Lakeside Hosp., 1935-37; Clin. Instr. in Surg., Western Reserve Univ.; in practice, Cleveland, Ohio.

BRILL, SELLING

A.B., Stanford, 1920; M.A., *ibid.*, 1922; M.D., Harv., 1924; *Surg. H. O., P. B. B. H., November 1, 1924-March 1, 1926*; Hunter Fellow in Surg., Univ. Hosp., Philadelphia, Pa.; Asst. in Surg., Univ. of Calif.; *Died January 23, 1932.*

BRITTINGHAM, HAROLD HIXON

A.B., Yale, 1916; M.D., Harv., 1920; *Med. H. O., P. B. B. H., July 1, 1920-November 1, 1921*; *Asst. Res. Phys., ibid., November 15-December 6, 1921*; Demonstr. Physiol., Western Reserve Univ., 1922-23;

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Demonstr. in Med., *ibid.*; Asst. Visit. Phys., Cleveland City Hosp., 1923-30; Visit. Phys., *ibid.* Died January 6, 1937.

BROOKS, FREMONT R.

A.B., Syracuse, 1932; D.D.S., Univ. of Mich., 1936; *Dental H. O., P. B. B. H., July 15, 1936-July 15, 1937*; in practice, Hastings, Mich.

BROWN, CHARLES LEONARD

B.S., Univ. of Oklahoma, 1919; M.D., *ibid.*, 1921; *Med. H. O., P. B. B. H., March 1, 1922-July 1, 1923*; Res. Pathol., Children's Hosp., 1923-24; Instr. in Pathol., Harv.; *Res. Pathol., P. B. B. H., July 1, 1924-September 1, 1925*; Teach. Fellow in Med., Harv., 1925-27; *Res. Phys., P. B. B. H., 1925-27*; Instr. in Med., Harv., 1927-28; *Jr. Assoc. in Med., P. B. B. H., 1927-28*; Asst. Prof. Int. Med., Univ. of Mich., 1928-29; Assoc. Prof. Int. Med., *ibid.*, 1929-35; Prof. of Med. and Head of Dept. of Med., Temple Univ. Sch. of Med.; in practice, Philadelphia, Pa.

BROWN, WILLIAM EUSTIS

Ph.B., Lafayette Coll., 1909; C.P.H., Harv.-M. I. T., Sch. of Public Health, 1915; M.D., Harv., 1920; *Surg. H. O., P. B. B. H., October 15, 1920-February 20, 1922*; Surg.-in-Chief, N. J. Zinc Co. Hosp., Franklin, N. J., 1922-24; Asst. Prof. Preventive Med., Univ. of Cinn., 1924-26; Assoc. Prof. Preventive Med., *ibid.*; Med. Director, Comm. on Maternal Health, Acad. of Med., Cincinnati.

BRYAN, JR., WILLIAM W.

B.S., Emory, 1930; M.D., *ibid.*, 1932; Rotating Interne, Jackson Mem. Hosp., Miami, Fla., 1932-33; *Roent. H. O., P. B. B. H., 1933-34*; *Asst. Res. in Roent., ibid., 1934-35*; Roentgenologist, Grady Hosp., Atlanta, Ga., 1935-37; Instr. in Roent., Emory Univ., 1935-37; Asst. Radiologist, Royal Victoria Hosp., Montreal.

BRYANT, JOHN

A.B., Harv., 1903; Asst. Res. Surg., Free Hosp. for Women, Brookline, 1905-06; M.D., Harv., 1907; Instr. in Pathol. and Neuropathol., *ibid.*, 1907-08; Surg. House Pupil, M. G. H., 1908-10; Private Asst. to Dr. S. J. Mixter, 1910-12; Research in Europe, 1912, 1913, and 1914; Asst. in Anat., Harv., 1913-18; Grad. Asst., M. G. H., O. P. D., 1915-16; Asst. to Phys.-in-Chief, Robert B. Brigham Hosp., 1915-16; *Vol. Asst., P. B. B. H., July, 1916-January, 1917*; *Assoc. in Med., ibid., January 1, 1917-January 1, 1918*; Major, M. C., U. S. Army, 1917-19; Secretary, American Gastro-Enterological Assn., 1923-27; Medical Asst. in Problems of Convalescence, M. G. H.; Consultant to Burke Foundation for Convalescents, New York. Died September 19, 1935.

BUCK, ROBERT WILLIAM

A.B., Butler Coll., 1914; A.M., Columbia, 1915; M.D., Harv., 1921; Asst. Res., Boston Hosp. for Consumptives, 1921; *Med. H. O., P. B. B. H., November 1, 1921-March 1, 1923*; H. O., Boston Lying-In

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Hosp., 1923; Physician, Med. Dept., Boston Disp.; Asst. Prof. Prev. Med., Tufts Medical School; in practice, Boston.

BUCKLEY, RICHARD COTTER

B.S., Trinity, 1919; M.D., Yale, 1924; Res. Pathol., New Haven Hosp., 1924-27; Instr. in Pathol., Yale Medical School, 1924-27; *Surg. H. O., P. B. B. H., June 15, 1927-November 1, 1928; Jr. Assoc. in Surg., ibid., November 1, 1928-November 1, 1929; Asst. Res. Surg., ibid., November 1, 1929-April 1, 1930; Asst. Surg., St. Francis Hosp., Hartford, Conn.; in practice, Hartford, Conn.*

BUHRMESTER, JR., HARRY C.

M.D., Harv., 1930; H. O., Church Home and Infirmary, Baltimore, Md., 1930-31; *Med. H. O., P. B. B. H., February 15, 1931-November 1, 1931; Study in Germany, 1934-36; in practice, Lafayette, Ind.*

BURGER, FRANKLIN D.

M.D., Univ. of Mich., 1936; *Surg. H. O., P. B. B. H., 1936-37; H. O., Mass. E. & E. Infirm.; Howe Lab. of Ophthal., Harv.*

BURLINGHAM, LOUIS HERBERT

A.B., Yale, 1902; M.D., Johns Hopkins, 1906; House Pupil, M. G. H., 1906-07; Asst. Res. Phys., *ibid.*, 1907-12; Asst. Adm., *ibid.*, 1912; *First Asst. Supt., P. B. B. H., October 19, 1912-April 30, 1917; Curator, ibid., May 8, 1913-May 10, 1917; Administrator, St. Louis Children's Hosp., 1917-25; Mem. Med. Council to U. S. Vet. Bureau; Pres., Mo. Hosp. Assoc., 1921-22; Trustee, Mid-West Hosp. Assoc.; Director, Central Bureau for Homeless Men, St. Louis; Trustee, A. H. A., 1919-21; President, A. H. A., 1928-29; Assoc. Editor, Modern Hosp.; Supt., Barnes Hosp., St. Louis, Mo.*

BUTLER, STUYVESANT

Ph.B., Yale, 1924; M.D., Univ. of Chicago, 1928; Interne, Presbyterian Hosp., Chicago, Ill.; *Asst. Res. Phys., P. B. B. H., September 1, 1929-May 1, 1930; Clin. Instr. in Med., Rush. Med. Coll.; Asst. Attend. Phys., Presbyterian Hosp., and Assoc. Attend. Phys., Cook Co. Hosp., Chicago; in practice, Chicago, Ill.*

BYSSHE, STANLEY M.

A.B., Harv., 1927; M.D., *ibid.*, 1931; *Surg. H. O., P. B. B. H., April 1, 1931-August 1, 1932; H. O., January 1, 1933-January 1, 1934. Asst. Res. in Gynecology, 1934, Res. Pathol., 1934-35, Res. in Obstetrics, 1935-36, Res. in Gynecology, 1936-37, Asst. Attend. Obstetrician and Gynecologist, Sloane Hosp. for Women; Asst. in Obstetrics and Gynecology, Columbia Univ.; Assoc. Attend. Obstetrician and Gynecologist, Vanderbilt Clin., New York; in practice, New York City.*

CADBURY, WILLIAM WARDER

A.B., Haverford, 1898; A.M., *ibid.*, 1899; Sc.D., *ibid.*, 1936; M.D., Univ. of Pa., 1902; Res. Phys., Pa. Hosp., 1903-05; Stud. in Vienna, 1905; Grad., London Sch. of Hygiene and Trop. Med., 1928; Instr. in

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Pathol. and Pharmacodynamics, Univ. of Pa., 1906-07; Pathol., St. Mary's Hosp., Philadelphia, 1906-07; Pathol., Henry Phipps Inst. for the Study, Treatment and Prevention of Tuberculosis, 1908-09; Visit. Phys., Free Hosp. for Poor Consumptives, White Haven, Pa., 1908-09; *Asst. Res. Phys., P. B. B. H., November 1, 1915-March 1, 1916*; Prof. Int. Med., Dr. Sun Yat Sen Med. Coll.; Head, Dept. of Med. and Supt., Canton Hosp., Canton, China.

CAIRNS, HUGH WILLIAM BELL

M.B., B.S., Univ. of Adelaide, 1917; Rhodes Scholar, Oxford, 1919-20; F.R.C.S., England, 1921; War service, 1915-18; House Surg., Radcliffe Infirmary, Oxford, 1920-21; House Surg., London Hosp., 1921; Pathol. Asst., *ibid.*, 1921-22; House Phys., *ibid.*, 1922; Asst. in Surg. Unit, London Hosp., 1923; Surg. First Asst. *ibid.*, 1924-25; Asst. Surg., *ibid.*, 1926; Hunterian Prof. R. C. S., 1925-26; *Asst. Res. Surg., P. B. B. H., October 1, 1926-September 15, 1927*; Consult. Surg., London Hosp., London, England; *Asst. Res. Surg., P. B. B. H., September 5-September 19, 1930*; Nuffield Prof. of Surg., Univ. of Oxford, England; Fellow of Balliol College, Oxford.

CALHOUN, ABNER W.

A.B., Univ. of Ga., 1918; M.D., Harv., 1923; two months in tuberculosis work, Ray Brook, N. Y.; Med. H. O., B. C. H., 1924-25; *Asst. Res. Phys., P. B. B. H., November 15, 1925-September 1, 1927*; Chief Res., Grady Hosp., Atlanta, Ga., 1927-28; Assoc. in Med., Emory Univ.; Phys. in Charge, J. J. Gray Clin.; in practice, Atlanta, Ga. *Died November 3, 1937.*

CANNADY, EDWARD W.

A.B., Washington Univ., 1927; M.D., *ibid.*, 1931; Med. H. O., Barnes Hosp., St. Louis, 1931-33; *Asst. Res. Phys., P. B. B. H., 1933-34*; Res. Phys., Barnes Hosp., 1934-35; Asst. in Med., Washington Univ.; Asst. Phys., Barnes Hosp.; Dept. of Health Supervision, Public Schools of East St. Louis, Ill.; in practice, E. St. Louis, Ill.

CARBONE, FRANK STEVEN

D.M.D., Harv., 1934; *Dental H. O., P. B. B. H., July 1, 1934-July 1, 1935*; Asst. Instr. in Extraction and Anes., Harv.; Instr. Oral Surg., *ibid.*; in practice, Beverly, Mass.

CARR, GLADYS LYDIA

M.D., Tufts, 1906; H. O., N. E. Hosp. for Women and Children, 1906-07; Asst. on Maternity Staff, *ibid.*, 1907-08; Gen. Practice, Boston, 1907-08; Private Practice, Lynn, 1908-14; Head of Roent. and Electrotherapeutic Depts., N. E. Hosp. for Women and Children; *Roentgenologist, pro tempore, P. B. B. H., June 1, 1914-February 1, 1916*; *Roentgenologist, ibid., February 1, 1916-October 31, 1917*; Roentgenologist, American Comm. for Relief in the Near East, Asia Minor; Roentgenologist, Finley Hosp., Dubuque, Iowa.

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CARTER, JR., DAVID WENDEL

A.B., Southwestern Univ., 1909; A.M., *ibid.*, 1910; M.D., Johns Hopkins, 1914; H. O., Clifton Springs Sanitarium, 1914; *Med. H. O., P. B. B. H., January 4, 1915-July 1, 1916*; Asst. Res. Phys., J. H. H., 1916-17; Res. Phys. in charge of Private Wards, *ibid.*, 1917-18; First Lieut., M. C., U. S. Army, 1917-19; Visit. Phys., Parkland Hosp., Dallas; Assoc. Prof. of Med., Baylor Univ., Dallas; Assoc. Phys., Baylor Hosp.; Consult. Phys., Scottish Rite Hosp. for Crippled Children; in practice, Dallas, Texas.

CARTY, JOHN RUSSELL

B.S., Princeton, 1917; M.D., Cornell, 1921; House Phys., New York Hosp., 1921-23; *X-ray H. O., P. B. B. H., July 1, 1923-July 1, 1924*; Asst., Dept. of Radiology, M. G. H., April-October, 1925; Chief of Clin. in Roent., Cornell Univ. Med. Sch. Clin., New York, 1925-32; Assoc. Prof. Roent., *ibid.*; Radiologist in Chief, New York Hosp.

CASHMAN, CHARLES J.

D.M.D., Harv., 1928; *Dental Interne, P. B. B. H., October 1, 1930-August 1, 1931*; Asst. Instr. in Extraction and Anesthesia, Harv.; Grad. Asst., Dental Clin., M. G. H., Capt. Dental Corps, U. S. Army.

CASSADAY, PAUL BRINTEN

S.B., Mt. Union Coll., 1930; M.D., Harv., 1934; *Med. H. O., P. B. B. H., June 15, 1934-November 1, 1935*; Asst. Res. Phys., *ibid.*, November 1, 1935-March 1, 1936; Research Fellow in Med., Harv., 1936; in practice, Nantucket, Mass.

CASTLE, EDWARD B.

B.S., Univ. of Mich., 1927; M.D., *ibid.*, 1929; *Surg. H. O., P. B. B. H., July 1, 1929-November 1, 1930*; Asst. Res. in Surg. and Acting Res. Surg., Vanderbilt Univ. Hosp., Nashville, Tenn., 1930-31; in practice, Cleveland, Ohio.

CHASE, HENRY MELVILLE

S.B., Dart., 1897; M.D., Harv., 1901; House Pupil, M. G. H., 1901-02; Asst. Surg., Boston Disp., 1906-14; Surg., Boston Disp.; Surg., Berkeley Infirmary; *Assoc. in Surg., P. B. B. H., November 17, 1914-July 11, 1919*; in practice, Boston.

CHELEY, GLEN EVAN

A.B., Colorado Coll., 1916; M.D., Harv., 1920; *Surg. H. O., P. B. B. H., July 1, 1920-November 1, 1921*; H. O., Boston Lying-In Hosp., 1921-22; Assoc. Prof. Surg., Univ. of Colorado Sch. of Med.; Visit. Surg., Colorado Gen. Hosp. and Children's Hosp.; in practice, Denver, Colo.

CHRISTIAN, JR., THOMAS D.

M.D., Harv., 1923; *Med. H. O., B. C. H.; Asst. Res. Phys., P. B. B. H., January 1, 1925-November 15, 1925*; *Jr. Assoc. in Med., ibid., November 15, 1925-October 1, 1926*; in practice, Greensboro, N. C. Died January 12, 1929.

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CLARK, BURTON

B.S., Univ. of Wis., 1921; M.D., Harv., 1923; Interne, St. Luke's Hosp., Chicago, July 1, 1923-April 1, 1925; *Surg. H. O., P. B. B. H., May 1-November 1, 1925*; Pathol. H. O., B. C. H., November 1, 1925-January 1, 1926; in practice, Oshkosh, Wis., 1926-31; Asst. Res. Surg., Lakeside Hosp., 1931-32; in practice, Oshkosh, Wis.

CLAUSER, WILLIAM J.

A.B., DePauw Univ., 1929; B.S., Indiana Univ., 1932; M.D., *ibid.*, 1934; Interne, Cleveland City Hosp., 1934-35; Med. H. O., Albert Merritt Billings Hosp., Univ. of Chicago Clinics, 1935; *Med. H. O., P. B. B. H., October 15, 1935-November 1, 1936*; Asst. Phys., George F. Baker Clin., N. E. Deaconess Hosp., Boston.

CLAY, CHARLES L.

B.S., Dart., 1919; M.D., Columbia Univ., Coll. of Phys. and Surgs., 1921; Interne, Lawrence General Hosp., 1921-22; Asst. Phys., Danvers State Hosp., 1922-28; *Second Asst. Supt., P. B. B. H., January 15, 1928-July 1, 1930*; *First Asst. Supt., ibid., July 1, 1930-March 5, 1934*; Med. Director, Long Island Hosp., Boston.

CLIFFORD, MILTON HENRY

A.B., Harv., 1927; M.D., *ibid.*, 1931; *Med. H. O., P. B. B. H., 1931-33*; Asst. in Med., M. G. H.; Asst. in Med., Harv.; in practice, Boston.

CLIFFORD, RANDALL

A.B., Harv., 1912; M.D., *ibid.*, 1917; Sr. Grade, U. S. Navy Med. Corps, 1917-19; Visit. Phys., Prendergast Preventorium, 1923-24; Asst. Phys., Channing Home, 1924-29; Asst. to Out-Patients, M. G. H., 1923-29; Assoc. in Med., M. G. H., 1929-31; Asst. in Med., Harv., 1929-34; *Assoc. in Med., P. B. B. H., 1931-35*; address, Easton, Md.

COBB, STANLEY

A.B., Harv., 1910; M.D., *ibid.*, 1914; *Surg. H. O., P. B. B. H., July 1, 1914-July 1, 1915*; Vol., Lab. of Physiol. Research, Johns Hopkins, 1915-16; Asst. in Physiol, *ibid.*; Asst. in Psychiatry, *ibid.*, 1916-17; Asst. in Psychiatry and Physiol. of the Nervous System, *ibid.*; Asst. Psychiatrist, *ibid.*, 1917-18; Assoc. in Psychiatry, *ibid.* (on leave of absence); First Lieut., M. C., U. S. Army, 1917-19; Asst. Neurol., M. G. H., 1919-20; Dalton Scholar, *ibid.*; Instr. in Neurol. and Physiol., Harv., 1919-23; Asst. Neurol., M. G. H.; Asst. Prof. of Neuropathol., Harv., 1923; Rockefeller Fellow in Europe, 1923-25; Visit. Phys. for Neurol., B. C. H., 1925-34; Assoc. Prof. Neuropathol., Harv., 1926; Bullard Prof. Neuropathol., *ibid.*; Psychiatrist-in-Chief, M. G. H.

COCHRAN, H. WALTON

B.A., Univ. of Texas, 1924; M.D., Johns Hopkins, 1928; *Surg. H. O., P. B. B. H., January 1, 1929-May 1, 1930*; Jr. Fellow in Surg.,

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Presbyterian Hosp., New York; Fellow in Surg., *ibid.*; Instr. in Surg., College of Phys. and Surg., New York; Instr. in Surg., Baylor Univ.; Asst. Surg., Baylor Univ. Hosp; Assoc. Surg., Parkland Hosp.; in practice, Dallas, Texas.

CONNOR, CHARLES LLOYD

Univ. Pittsburgh, 1913-17; M.D., Baylor Univ., Coll. of Med., 1920; Interne, St. Joseph's Hosp., Pittsburgh, 1920-21; Gen. Practice, Montana, 1921-22; Fellow in Med., Nat. Research Council, 1922-25; Research Fellow, Pathol., Harv., 1923-25; Instr. in Pathol., *ibid.*, 1925; Faculty Instr., *ibid.*, 1926-28; *Res. Pathol., P. B. B. H., September 1, 1925-September 1, 1926*; Acting Director, Pathological Laboratories, Montreal Gen. Hosp. (leave of absence from Harvard, 1926-27); Assoc. Prof. Pathol. and Ex. Head, Dept. of Pathol., Univ. of Calif. Med. Sch., 1928-30; Prof. Pathol., *ibid.*; Pathol., Univ. California Hosp.

COOK, WARD HANCE

A.B., Univ. of Kans., 1909; A.M., *ibid.*, 1910; Fellow in Zoölogy, *ibid.*, 1909-10; Instr. in Embryology and Histology, *ibid.*, 1910; M.D., Harv., 1914; *Med. H. O., P. B. B. H., July 1, 1914-July 10, 1915*; Second Asst. in Pathol., B. C. H., 1915-16; First Asst. in Pathol., *ibid.*, 1916-17; Pathol., Long Island Hosp., Boston, 1917-21; Instr. in Pathol., Harv., 1917-21; Prof. of Pathol., Med. Coll. of Va., Richmond, Va., 1921-24; Assoc. Director, Wm. H. Singer Mem. Research Lab., Pittsburgh, Pa., 1925-26; Pathol., N. Y. Post Grad. Med. Sch. and Hosp., 1926-28; Director, Bureau of Labs., Dept. of Health, Yonkers, N. Y.; Pathol., St. John's Riverside, Yonkers General, and St. Joseph's Hospitals, Yonkers, N. Y.

COULTER, A. BARKLIE

A.B., Catholic Univ. of America, 1918; M.D., Johns Hopkins, 1924; Asst., Trudeau Sanatorium, Saranac, 1924-25; Res. H. O., Royal Victoria Hosp., Montreal, 1925-26; *Jr. Assoc. in Med., P. B. B. H., October 1, 1926-September 1, 1927*; Head, Dept. of Med., Gallinger Municipal Hosp., Washington, D. C., 1930-31; Director, Bureau for Tuberculosis, Health Dept., Washington, D. C.; in practice, Washington, D. C.

COUNCILMAN, WILLIAM THOMAS

M.D., Univ. of Md., 1878; Stud. Univs. of Vienna and Leipzig; Hon. A.M., Harv., 1899; Hon. A.M., Johns Hopkins, 1902; LL.D., Univ. of Md., 1907; LL.D., McGill Univ., 1911; LL.D., Western Reserve Univ., 1929; LL.D., St. John's College, Annapolis, Md., 1932; Asst. Prof. in Anat., Johns Hopkins, 1890-91; Shattuck Prof. of Pathol. Anatomy, Harv., 1892; Emeritus Prof., *ibid.*; *Consult. Pathol., P. B. B. H., March 25, 1912-August 14, 1913*; *Pathol., ibid., August 14, 1913-December 1, 1916 (granted leave of absence from November 9-December 1, 1916)*; Mem., Dr. Hamilton Rice's Expedition to South America; Fellow, Am. Acad., 1895; Mem., Nat. Acad. of Sciences, 1904; Fellow, Philosophical Society, Philadelphia, 1918. *Died May 27, 1933.*

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Cox, WILLIAM V.

A.B., Univ. of Mich., 1921; M.D., Harv., 1925; H. O., Lakeside Hosp., 1925-26; Asst. Res., *ibid.*, 1926-28; Crile Fellow in Surg., Western Reserve Univ., 1928-29; *Asst. Res. Surg., P. B. B. H., July 15, 1929-January 6, 1930*; Res. Surg., Lakeside Hosp., January, 1930-July, 1931; Instr. in Surg., Western Reserve Univ., 1931-32; Asst. Surg., Lakeside Hosp., 1931-32; Asst. Surg., Disp., *ibid.*, 1931-32; Instr. in Surg., Harv.; *Jr. Assoc. in Surg., P. B. B. H., 1932-35*; in practice, Lewiston, Me.

CRISLER, JR., JOSEPH AUGUSTUS

B.S., Univ. of Va., 1917; M.D., Harv., 1921; F.A.C.S.; *Surg. H. O., P. B. B. H., November 1, 1921-March 1, 1923*; in practice, Memphis, Tenn.

CROCKETT, EUGENE ANTHONY

Act. Consult. Otologist and Laryngologist, P. B. B. H., June 13, 1918-December 31, 1919. Died June 13, 1932.

CRUMP, GEORGE CURTIS

B.S., Dart., 1923; M.D., Harv., 1926; *Surg. H. O., P. B. B. H., April 1, 1928-August 1, 1929*; Asst. Res. Phys., Trudeau San., Saranac Lake, N. Y., 1929-31; Asst. Phys., Metropolitan Life Ins., Co. San., 1931-33; Pathol., Biltmore Hosp., Asheville, N. C.; in practice, Asheville, N. C.

CRUTCHFIELD, WILLIAM G.

A.B., Univ. of Ky., 1923; M.D., Johns Hopkins, 1927; Surg. Interne, Women's Hosp., Baltimore, Md., 1927-28; *Surg. H. O., P. B. B. H., July 1, 1928-November 1, 1929*; Res. in Neuro-Surg., Memorial Hosp., Richmond, Va.; Asst. Prof. Neurol. Surg., Med. College of Virginia; Assoc. Clin. Prof. Neurol. Surg., Univ. Va.

CUNNINGHAM, THOMAS DONALD

B.S., Dart., 1913; M.D., Harv., 1918; House Pupil, M. G. H., 1917-18; *Asst. Res. Phys., P. B. B. H., March 1, 1919-July 1, 1920*; House Pupil, Children's Med. Serv., M. G. H., 1920-21; Mem., Med. Staff, Denver City and County Hosp., St. Joseph's Hosp., St. Luke's Hosp., and Children's Hosp., Denver, Colo.; Staff, Colorado Gen. Hosp.; formerly Asst. Prof. Med., Univ. of Col.; in practice, Denver, Colo.

CURTIS, ROBERT DUDLEY

A.B., Harv., 1914; M.D., *ibid.*, 1918; *Med. H. O., P. B. B. H., July 1, 1918-July 1, 1919*; Pediatric H. O., M. G. H., 1918; Asst. Visit. Phys., *ibid.*, O. P. D., 1919; Med. Director, Boston Baby Hygiene Assoc.; Asst. in Pediatrics, Harv.; in practice, Boston.

CURTISS, ARTHUR NILES

A.B., Oberlin Coll., 1918; M.D., Syracuse Univ., 1923; Instr. in Physiol., Coll. of Med., Syracuse Univ., 1918-24; *Med. H. O., P. B. B. H., November 1, 1924-March 1, 1926*; Assoc. Attend. and Director of Student Lab., Univ. Hosp.; Attend., General and City Hosp.,

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Syracuse; Asst. Prof. Med. and Clin. Pathol., College of Med., Syracuse; in practice, Syracuse, N. Y.

DAVENPORT, LOWREY F.

B.S., Emory, 1927; M.D., Univ. of Rochester, 1931; *Med. H. O.*, *P. B. B. H.*, July 1, 1931-November 1, 1932; Research Fellow in Med., 1932-33, Asst., 1934-36, Instr. in Med., 1936-37, Harv.; Asst. Supt., Middlesex Co. San., Waltham, Mass.; Consult., *ibid.*; Asst. in Med., M. G. H.; Instr. in Med., Harv.; in practice, Boston.

DAVIDOFF, LEO MAX

Two years pre-med. work, Harv.; M.D., *ibid.*, 1922; Stud. Interne, Boston Psychopathic Hosp., April, 1921-June, 1922; Pediatric Serv., B. C. H., July-November, 1922; Med. Serv., New Haven Hosp., November 1, 1922-November 1, 1923; *Surg. H. O.*, *P. B. B. H.*, March 1, 1924-June 20, 1925; Surg., MacMillan Arctic Expedition, June 20, 1925-October 1, 1925; *Asst. Res. Surg.*, *P. B. B. H.*, November 1, 1925-October 1, 1926; *P. B. B. H. Traveling Fellowship*, 1926-27; Asst. Neuro-Pathol., Psychiatric Inst. of the State of New York, 1927-28; Attend. Neuro-Surg., Beth Israel Hosp., New York City; Attend. Neuro-Surg., N. Y. Neurol. Inst.; Asst. Prof. in Neurol., Coll. of Phys. and Surg., Columbia Univ., 1929-37; Chief, Dept. of Surg. and Attend. Neurol. Surg., Jewish Hosp., Brooklyn, N. Y.

DAVIDSON, LEONARD TOMB

A.B., Oberlin, 1912; M.D., Johns Hopkins, 1919; *Med. H. O.*, *P. B. B. H.*, September 15, 1919-November 1, 1920; Asst. Res. Phys., Presbyterian Hosp., New York, 1920-21; Res. Phys., St. Louis Children's Hosp., St. Louis, 1921-23; Assoc. Diseases of Children, Coll. Physicians and Surgeons, New York; Asst. Attend. Phys., Babies' Hosp., New York; in practice, New York City.

DAVIS, LOYAL

M.D., Northwestern Univ., 1918; M.S., *ibid.*, 1921; Ph.D. in Surg., *ibid.*, 1923; Nat. Research Council Fellow, 1922-24; *Jr. Assoc. in Surg.*, *P. B. B. H.*, March-October, 1924; Assoc. Prof. Surg., Northwestern Univ. Med. Sch., 1925-32; Prof. Surg. and Chairman, Div. of Surg., *ibid.*; Attend. Surg., Wesley Mem. Hosp., Passavant Mem. Hosp., Chicago; Consult. Neurol. Surg., Edward Hines, Jr., Mem. Hosp.

DAY, HILBERT FRANCIS

Ph.B., Yale, 1901; M.D., Harv., 1905; Surg. H. O., B. C. H., 1905-07; House Phys., Boston Lying-In Hosp., 1907-08; Third Asst. Visit. Surg., B. C. H. (Gynecol. Dept.), 1908-09; District Phys., Boston Disp., 1909-12; Asst. Surg., Boston Disp., 1912-14; Surg., *ibid.*, 1914-19; Asst. in Surg., Harv., 1919-21; Instr. in Surg., *ibid.*; Prof. in Clin. Surg., Tufts; Surg.-in-Chief, Boston Disp.; *Assoc. in Surg.*, *P. B. B. H.*, 1914-33; Consult. Surg., Mass. State Prison Colony, Norfolk, Mass., and Masonic Hosp., Shrewsbury, Mass.; Sr. Visit. Surg., Cambridge Hosp.; Surgeon, Boston Floating Hosp.

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DAYTON, THEODORE READ

A.B., Amherst, 1916; M.D., Harv., 1925; *Surg. H. O., P. B. B. H., March 1, 1926-July 1, 1927.*

DEAN, JR., ARCHIE LEIGH

B.S., Cornell, 1913; M.D., *ibid.*, 1917; *Surg. H. O., P. B. B. H., May, 1917-February, 1918*; First Lieut., M. C., U. S. Army, 1918-19; Assoc. Surg., Mem. Hosp., New York; Assoc. Urol., Fifth Ave. Hosp., New York; Visit. Urol., Reconstruction Hosp., New York; Consult. Urol., Somerset Hosp., New York City; in practice, New York City.

DELARUE, JR., EDWARD A.

B.S., Univ. of Va., 1929; M.D., *ibid.*, 1933; *Med. H. O., P. B. B. H., 1933-35*; Res. Phys., Kings Co. Hosp., Brooklyn, N. Y., 1935-36; Interne, Willard Parker Hosp., N. Y., 1936; Asst. in Med., Med. Coll. of Va.; in practice, Richmond, Va.

DEROW, HARRY A.

M.B., Boston Univ., 1926; M.D., *ibid.*, 1927; Pathol. H. O., M. G. H., June, 1927-January, 1928; *Med. H. O., P. B. B. H., March 1, 1928-July 1, 1929*; Teach. Fellow in Med., 1929-30, Asst. in Med., 1930-33, Instr. in Med., Harv.; Res. Phys., 1929-31, Med. Co-ordinator, O. P. D., 1931-33, Assoc. Phys. and Director, O. P. D., Beth Israel Hosp.; in practice, Boston.

DEVAN, THOMAS ALAN

B.S., Rutgers, 1906; M.D., Johns Hopkins, 1910; H. O., Presbyterian Hosp., New York, 1911-13; *Second Asst. Supt., P. B. B. H., August 1, 1913-May 1, 1917*; *First Asst. Supt., ibid., May 1, 1917-July 1, 1919*; First Lieut., M. C., U. S. Army, November 5, 1918-December 6, 1918; College Phys. and Prof. of Hygiene, Rutgers Coll., New Brunswick, N. J., July, 1919-July, 1925; Asst. Director, Strong Mem. Hosp., Rochester, N. Y., September, 1925-May, 1930; Supt., Eastern Maine Gen. Hosp., Bangor, Me., 1930-37.

DIACK, JR., ARCHIBALD W.

A.B., Dartmouth, 1929; M.D., Univ. of Mich., 1933; *Med. H. O., P. B. B. H., February 15, 1934-July 1, 1935*; *Surg. H. O., ibid., November 1, 1935-March 1, 1937*; in practice, Portland Oregon.

DIACK, SAMUEL

B.S., Chem. Engineering, Calif. Inst. of Tech., 1925; M.S., Physiol. Chem., Univ. of Mich., 1926; M.D., *ibid.*, 1930; *Med. H. O., P. B. B. H., 1930-31*; Clin. Instr. in Med., Univ. of Oregon; in practice, Portland, Ore.

DIAL, DONALD EMORY

B.A., Yale, 1925; M.D., *ibid.*, 1928; Pathol. Interne, New Haven Hosp., 1928-29; Fellow in Plastic Surg., Johns Hopkins Hosp., 1929-30; *Surg. H. O., P. B. B. H., April 1, 1930-August 1, 1931*; Asst. Res. in Surg., Obst. and Gyn., New Haven Hosp., 1931-33; Res. in Orthopedics, *ibid.*, 1934; in practice, Cleveland, Ohio.

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DOCK, WILLIAM

B.S., Wash. Univ., 1920; M.D., Rush Med. Coll., 1922; *Med. H. O., P. B. B. H.*, July 1, 1922-November 1, 1923; *Asst. Res. Phys.*, *ibid.*, November 1, 1923-November 1, 1924; Grad. Stud., Vienna, Austria; Med. Res., Lane and Stanford Hosp., San Francisco, Calif.; Asst. Clin. Prof., Asst. Prof., Assoc. Prof. Med., Prof. of Pathol., Stanford Univ., San Francisco, Calif.

DOEGE, PAUL FREDERICK

Univ. of Wis., 1917-20; Western Reserve Univ., 1920-22; M.D., Harv., 1926; *Pathol. H. O., P. B. B. H.*, October 1, 1926-January 1, 1927; Med. Editor, Wis. State Med. Journ.; in practice, Marshfield, Wisconsin.

DONALD, DOUGLAS

B.S., Univ. of Mich., 1916; M.D., Harv., 1918; *Med. H. O., P. B. B. H.*, February 12, 1918-March 1, 1919; *Asst. Res. Phys.*, *ibid.*, March 1-June 16, 1919; Henry Ford Hosp., 1919-20; Attend. Phys., Receiving Hosp.; Asst. Phys., Harper Hosp.; Consult., Herman Kiefer Hosp.; Prof. Clin. Med., Wayne Univ.; in practice, Detroit, Mich.

DOTT, NORMAN MCOMISH

M.B., Ch.B., Edinburgh; F. R. C. S., Edinburgh; *Jr. Assoc. in Surg.*, *P. B. B. H.*, November, 1923-June, 1924; *Act. Asst. Res. Surg.*, *ibid.*, July-August, 1929; Neurological Surg., Royal Infirmary, Edinburgh, and Jordanburn Nerve Hospital, Edinburgh; Neur. Surg. Royal Hospital for Sick Children, Edinburgh; Lect. in Neurological Surgery, Edinburgh University.

DOTY, EDWIN J.

M.D., Univ. of Mich., 1929; *Med. H. O., P. B. B. H.*, March 1, 1930-July 1, 1931; Asst. Phys., Psychopathic Hosp., Ann Arbor, 1931-33; Instr. in Psychiatry, Univ. of Mich. Med. Sch., 1932-33; Asst. Res. Phys., Bloomingdale Hosp., White Plains, N. Y., 1933-35; Asst. in Psychiatry, Univ. of Mich., 1935-36; Res. Phys., Neurol. Inst. of New York, 1936-37; Res. Psychiatrist, Payne Whitney Psych. Clin., N. Y. Hosp.; Instr. in Psych., Cornell.

DOZIER, PAUL

A.B., Univ. of Calif., 1926; M.D., Harv., 1929; *Med. H. O., P. B. B. H.*, November 1, 1929-March 1, 1931; Asst. Phys., Boston Psychopathic Hosp., 1931-32; Research Assoc., Neurol. Inst. of N. Y., 1932-36; Rockefeller Foundation Fellow, 1933-36; Asst. Phys., Inst. of Pennsylvania Hosp.; Fellow in Psychiatry, Univ. of Pa., 1936-37; Asst. Instr., *ibid.*, 1937-38; Instr., *ibid.*; in practice, Philadelphia, Pa.

DREWRY, JR., PATRICK HENRY

M.D., Johns Hopkins, 1932; Med. H. O., Baltimore City Hosp., 1932-33; *Asst. Res. Phys.*, *P. B. B. H.*, 1933-34; Director of Labs. and Res. Internist, N. Y. Hosp., Westchester Div., White Plains, N. Y., 1934-39; Fellow in Psychiatry, Rockefeller Foundation.

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DRINKER, CECIL KENT

B.S., Haverford, 1908; M.D., Univ. of Pa., 1913; S.D., Haverford, 1933; Vol. Asst., Dept. of Pharmacology, Univ. of Pa. Med. Sch., 1913-14; *Med. H. O., P. B. B. H., March 1, 1914-July 1, 1915*; Asst. in Physiol., Johns Hopkins, 1915-16; Instr. in Physiol., Harv., 1916-18; *Res. Phys., P. B. B. H., July 10-October 15, 1917*; Asst. Prof. Physiol., Harv., 1918-19; Assoc. Prof. Applied Physiol., *ibid.*, 1919-23; Asst. to the Visit. Phys., B. C. H., 1922-24; Special Research Lab. of Zoöphysiology, Univ. of Copenhagen, Denmark, 1926-27; Asst. Dean, Harv. Sch. Public Health, 1924-35; Act. Dean, *ibid.*, May 1, 1930-February 1, 1931; Prof. of Physiol., Harv.; Dean, Harv. Sch. of Public Health.

DRINKER, KATHERINE ROTAN

A.B., Bryn Mawr, 1910; M.D., Women's Med. Coll. of Pa., 1914; *Asst. Res. Phys., P. B. B. H., July 7-September 24, 1917*; Research Worker in Physiol., 1914-15, 1916-17; *ibid.*, Johns Hopkins, 1915-16; Managing Ed., Journal Indust. Hygiene, 1918-21; Lect. in Hygiene, Bryn Mawr Coll., 1921-23; Research Worker in Physiol., Harv., 1921-26; Med. Editorial work, Harv. Sch. Public Health.

DRISSEN, EDWARD M.

B. A., Univ. of Wis., 1927; M.D., Harv., 1931; Surg. H. O., Children's Hosp., Boston, 1931-32; *Surg. H. O., P. B. B. H., April 1, 1932-August 1, 1933*; Asst. Res. Surg., Louisville City Hosp., 1933-34; Obstet. H. O., B. L. I., Boston, 1934-35; Res. Surg., Louisville City Hosp., 1935-36; Surgeon, Britton Clin., Britton, S. D.

DU MORTIER, JEAN J.

B.A., Columbia, 1927; M.D., Yale, 1931; Substitute Interne, New Haven Hosp., October, 1930-May, 1931; *Surg. H. O., P. B. B. H., October 1, 1931-February 1, 1933*; Asst. Res. Surg. Pathol., New Haven Hosp.; Asst. Res. Surg., *ibid.* Died January 19, 1934.

DUPERTUIS, SAMUEL MILTON

B.S., Harv., 1928; M.D., *ibid.*, 1932; *Surg. H. O., P. B. B. H., October 1, 1932-March 1, 1934*; George Gorham Peters Traveling Fellow, 1934-35; *Asst. Res. Surg., July 1, 1935-November 1, 1936*; Asst. Surg., U. S. Public Health Serv., New York, 1937-38; Res. in Plastic and Reconstructive Surg., Presbyterian Hosp., N. Y.

DURANT, RICHARD C.

B.A., Yale, 1928; M.D., Harv., 1934; *Surg. H. O., P. B. B. H., October 15, 1934-March 1, 1936*; Res. Surg., First Surg. Service, B. C. H., 1936-37; Teaching Fellow in Surg., Tufts, 1936-37; Asst. Res. Surg., Doctors' Hosp., New York, March-December, 1937; Res. Surg., *ibid.*

DYKE, CORNELIUS

B.S., Univ. of Iowa, 1926; M.D., *ibid.*, 1926; Interne, Chelsea Naval Hosp., 1926-27; *H. O., Roent., P. B. B. H., 1927-28*; *Asst. Res. in Roent., ibid., 1928-29*; Attend. Radiologist, Neurol. Inst. of New York.

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ECKELS, JOHN C.

A.B., Park Coll., 1922; M.D., Harv., 1927; Interne, Lankenau Hosp., Philadelphia, 1928-30; *Asst. Res. Surg., P. B. B. H., January 1930-September, 1931*; Moseley Trav. Fellow, 1931-32; Asst. in G. U. Surg., Harv.; *Jr. Assoc. in Urol., P. B. B. H., 1932-34*; in practice, Lisbon, N. H.

EDSON, PHILIPS JOSIAH

A.B., Univ. of Cal., 1920; M.A., *ibid.*, 1921; M.D., *ibid.*, 1924; Stud. Interne, Hahnemann Hosp., summer 1922; Med. Officer to Sierra Club Outings, 1921-22; Interne, Yosemite Hosp., Cal., 1923; *Med. H. O., P. B. B. H., November 1, 1923-March 1, 1925*; *H. O., X-ray Dept., ibid., March 1-September 1, 1925*; Senior Member of Staff in Med., Huntington Mem. Hosp.; Roentgenologist, Pasadena Chest Clin.; Asst. Vis. Phys., Los Angeles Gen. Hosp.; Instr. in Phys. Diagnosis, College of Med. Evangelists; in practice, Pasadena, Calif.

EDWARDS, SUMNER

A.B., Bowdoin, 1910; Stud., Hebron Acad., Me., 1910-11; M.D., Harv., 1915; *Med. H. O., P. B. B. H., November 1, 1915-January 6, 1916. Died January 6, 1916.*

EGLOFF, WILLIAM C.

S.B., Univ. of Chicago, 1923; M.D., *ibid.*, 1927; Interne, St. Luke's Univ. of Chicago, January-July, 1928; *Jr. Assoc. in Med., P. B. B. H., September 1, 1928-August 1, 1932*; in practice, Mason City, Iowa.

EISENHARDT, LOUISE

M.D., Tufts, 1925; Interne, N. E. Hosp. for Women and Children, 1925-26; Attend. Phys., *ibid.*, 1926-27; Consult. Neurol., *ibid.*; *Jr. Assoc. in Neurol. Surg., P. B. B. H., 1928-34*; Asst. Prof. Pathol., Director, Brain Tumor Registry, Yale.

ELIOT, MARTHA MAY

A.B., Radcliffe, 1913; M.D., Johns Hopkins, 1918; *Med. H. O., P. B. B. H., June 15, 1918-July 1, 1919*; St. Louis Children's Hosp., 1919-20; Phys., Boston, Mass., 1920-21; Dept. of Pediatrics, New Haven Hosp., New Haven, Conn., 1921-23; Instr., Yale., 1921-26; Asst. Clin. Prof. Pediatric Dept., Yale, 1926-32; Assoc. Clin. Prof., *ibid.*; Director, Div. of Child Hygiene, U. S. Children's Bureau, Washington, D. C., 1924-34; Asst. Chief, *ibid.*

ELKIN, DANIEL COLLIER

A.B., Yale, 1916; M.D., Emory Univ., 1920; Asst. Res. Surg., New York Lying-In Hosp., 1920; *Surg. H. O., P. B. B. H., March 1, 1921-July 1, 1922*; *Asst. Res. Surg., ibid., July 1, 1922-July 1, 1923*; *Res. Surg., ibid., July 1-September 1, 1923*; Asst. in Surg., Harv., 1923; Instr. in Surg., Emory Univ. Sch. of Med., 1924; Assoc. in Surg., *ibid.*, 1924-30; Prof. of Surg., Emory Univ. and Surg.-in-Chief to University Hospitals; Surg.-in-Chief, Henrietta Eggleston Hosp. for Children, Atlanta, Ga.

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ENGELBACH, FRIEDRICH

A.B., Illinois College, 1924; M.D., Harv., 1928; *Med. H. O., P. B. B. H., July 1, 1928-November 1, 1929*; Instr. in Dept. of Internal Med., Univ. of Mich., 1930-32; in practice, Jacksonville, Ill.

ESCAMILLA, ROBERTO FRANCISCO

A.B., Univ. of Cal., 1927; M.D., Harv., 1931; *Med. H. O., P. B. B. H., November 1, 1931-March 1, 1933*; Asst. Visit. Pathol., San Francisco Hosp., 1933; Asst. Res. Phys., Univ. of Calif. Hosp., 1933-34; Asst. in Med., 1934-36; Instr. in Med., Univ. of Calif.; in practice, San Francisco, Calif.

ETHRIDGE, CLAYTON BERNARD

M.D., Univ. of Va., 1933; *Med. H. O., P. B. B. H., July 1933-November 1934*; Fellow in Med., Harv., 1934-35; *Asst. Res. Phys., P. B. B. H., 1935-36*; Clin. Instr. in Med., George Washington Univ.; Jr. Assoc. in Med., Garfield Mem. Hosp.; in practice, Washington, D. C.

EVANS, JAMES A.

A.B., Univ. of Wis., 1917; M.D., Harv., 1920; Med. Interne, Barnes Hosp., St. Louis; Group Practice, one year; St. Frances Hosp., La Crosse, Wis.; June, 1922, holder of Scholarship in France under Professors Gilbert and Widal and Doctor Bensaude; *Asst. Res. Phys., P. B. B. H., July 10, 1923-July 1, 1924*; Asst. Preceptor in Med., Univ. of Wis. Med. Sch.; Mem., Central Soc. for Clin. Research; in practice, La Crosse, Wis.

EVANS, WILLIAM

A.B., Williams, 1926; M.D., Johns Hopkins, 1930; *Med. H. O., P. B. B. H., July 1, 1930-February 19, 1931, and October 1, 1931-July 1, 1932*; Vol. Asst., Med. Clin., Wurzburg, October, 1932-May, 1933; Research Fellow in Med., Harv., 1933-34; *Vol. Grad. Asst., P. B. B. H., 1933-34*; *Asst. Res. in Med., P. B. B. H., September, 1934-June, 1936*; Asst. Instr. Roent., Wayne Univ.; in practice of Roentgenology, Harper Hosp., Children's Hosp., U. S. Marine Hosp., Deroit, Mich.

FALK, EMIL A.

A.B., Univ. of Minn., 1921; M.D., Harv., 1925; *Med. H. O., P. B. B. H., July 1, 1925-November 1, 1926*; Pathology, B. C. H., 1927; Med. Res., Second (Cornell) Med. Div., Bellevue Hosp., New York, 1927-29; National Hosp., Queen's Sq., London, England, 1929; Instr., Clin. Med., Cornell Univ.; Phys., O. P. D., New York Hosp.; in practice, New York City.

FALLON, JOHN

A.B., Holy Cross, 1919; M.D., Harv., 1923; Asst. in Anat., Harv., 1923-25; Surg. H. O., St. Vincent Hosp., Worcester, 1924-25; *Surg. H. O., P. B. B. H., March 1, 1925-July 1, 1926*; Fellow in Surg., Mayo Clin., Rochester, Minn., 1927-29; (on leave of absence, 1927); Surg. Res., St. Vincent Hosp., Worcester, 1927; Surg., *ibid.*

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FALLON, LOUIS

M.D., Univ. of Pa., 1916; F.A.C.S.; *Surg. H. O., P. B. B. H.*, July 1, 1916-November 15, 1916; M. C., U. S. Army, 1918-19; Capt. with Base Hosp. 51 and 69 and Gen. Hosp. 31, Carlisle, Pa.; Consult. Surg., National Soldiers' Home, Togus; in practice, Augusta, Me. Died January 8, 1937.

FARBER, SIDNEY

B.S., Univ. of Buffalo, 1923; M.D., Harv., 1927; *H. O., Pathol., P. B. B. H.*, January 1-September 1, 1927; Res. Pathol., Children's Hosp., September 1, 1927-September 1, 1928; Guest Asst., Univ. of Munich Pathol. Inst., 1928-29; Instr. in Pathol., Harv.; Asst. Pathol., Children's Hosp., 1930-31; Pathol., *ibid.*; Assoc. in Pathol., Harv.; Moseley Trav. Fellow, Harv., 1935-36; Asst. Prof. Pathol., *ibid.*

FARBER, WILLIAM P.

A.B., Univ. of Cal., 1922; M.A., *ibid.*, 1923; M.D., Harv., 1927; *Surg. H. O., P. B. B. H.*, March 1, 1927-July 1, 1928; Asst. Phys., U. S. Fed. Penitentiary, Atlanta, Ga., 1928-29; Asst. in Urol. to Dr. Montague Boyd, Atlanta, Ga., 1929-30; Res. in Urol., Grady Hosp., Atlanta, Ga., 1930-31; in practice of Urol., St. Petersburg, Fla.

FARNSWORTH, RICHARD WIGGIN

A.B., Univ. of Wis., 1924; M.D., Harv., 1928; *Surg. H. O., P. B. B. H.*, April 1, 1929-August 1, 1930; in practice, Janesville, Wis.

FARRELL, JAMES IRVING

A.B., Hamilton, 1925; M.D., Harv., 1929; *Med. H. O., P. B. B. H.*, July 1, 1929-November 1, 1930; H. O., Mass. Eye and Ear Infirmary, 1930-32; Ophthal. Surg., Faxon Hosp., Utica Gen. Hosp., Utica Free Disp., and Children's Hosp. Home; Consult. Ophthalmologist, Oneida Co. Tbc. Hosp.; in practice, Utica, N. Y.

FEENEY, NEIL

B.A., M.D., McGill Med. School, 1927; Interne, Montreal Gen. Hosp.; *Asst. Res. Phys., P. B. B. H.*, September 1, 1929-August 1, 1930; Demonstr. in Med., McGill Med. Sch.; Assoc. in Med., Montreal Gen. Hosp.; in practice, Montreal, Can.

FENDER, FREDERICK ALLEN

A.B., Univ. of Calif., 1924; M.D., Harv., 1929; Med. Officer, U. S. S. Nantucket, May-October, 1929; *Surg. H. O., P. B. B. H.*, October 1, 1929-February 1, 1931; Res. Neuro-Surg., B. C. H., 1931-32; Abner Perry Hard Fellow Surg. Research, and Asst. in Surg., Rochester School of Med. and Dentistry, 1933-34; Rockefeller Fellow in Neurosurg. and Neurophysiol., Stanford Univ. Med. Sch., 1934-36; Clin. Instr. in Surg., *ibid.*; Attend. Surg., San Francisco Hosp.; Consult., Neuro-Surg., French Hosp., San Francisco.

FETNER, L. M.

M.D., Med. Col. of Va., 1915; *H. O. Roent., P. B. B. H.*, October 1, 1926-October 1, 1927; *Asst. Res. Roent., ibid.*, 1927-28; in practice, Charlotte, N. C.

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FISHBACK, FRED C.

A.B., Harv., 1919; M.S., Surg., Univ. of Minn., 1928; M.D., Harv., 1922; H. O., St. Francis Hosp., Jersey City, N. J.; *Pathol. H. O., P. B. B. H., May 15, 1923-February 1, 1924*; one year at Woman's Hosp., New York City; N. Y. Lying-In Hosp., 1925; Fellow in Surg., Mayo Clin., Rochester, Minn., 1925-28; Prof. Clin. Surg., Georgetown Univ. Med. Sch., 1930-34; in practice, Washington, D. C.

FISHER, RIVINGTON H.

M.B., Queen's Univ., 1915; M.D., *ibid.*; C.M., *ibid.*; *Asst. Res. Surg., P. B. B. H., July 13, 1923-January 1, 1924.*

FISKE, SEYMOUR

A.B., Univ. of Wis., 1916; M.D., Univ. of Pa., 1920; *Med. H. O., P. B. B. H., April 1, 1920-July 1, 1921*; Out-Patient Attend., Babies' Hosp., New York, 1921-22; Attend. Phys., Cornell Clin., 1921-23; Attend. Gastro-Enterologist, Vanderbilt Clin., New York, 1923-24; Chief, G. I. Clin., Midtown Hosp., New York, 1925-26; Asst. Attend. Phys., Lutheran Hosp. of Manhattan, 1922-26; Asst. Attend. Phys., Presbyterian Hosp., O.P.D., New York, 1925-28; Admitting Phys., Hosp. for Ruptured and Crippled, New York, 1927-32; Asst. Attend. Phys., City Hosp., N. Y.; in practice, New York City.

FITZHUGH, GREENE S.

B.S., Univ. of Illinois, 1921; M.D., Harv., 1927; *Med. H. O., P. B. B. H., July 1, 1927-November 1, 1928*; *Jr. Assoc. in Med., ibid., November 1, 1928-September 15, 1929*; Asst. Res. Phys., Thorndike Lab., B. C. H., 1929-30; in practice, Boston.

FLEMING, HOWARD

A.B., Univ. of Cal., 1914; M.D., *ibid.*, 1917; Med. and Surg. H. O., Univ. of Calif, eight months; Capt., M. C., U. S. Army; Asst. Res. Surg., San Francisco Hosp., 1919; *Asst. Res. Surg., P. B. B. H., December 20, 1919-February 1, 1921*; Assoc. Prof., Univ. of Cal.; Visit. Neuro-Surg., St. Luke's, Mt. Zion, and San Francisco Hospitals; in practice, San Francisco, Calif.

FLEMING, LEROY NEWTON

A.B., Miami, 1910; M.D., Johns Hopkins, 1914; Asst. in Surg., *ibid.*, 1915; *Surg. H. O., P. B. B. H., November 1, 1915-March 1, 1916*; Special Stud., Univ. of Mich., 1915-16; Surg. Research, Detroit, Mich.

FOLEY, FREDERIC E. B.

Ph.B., Yale, 1913; M.D., Johns Hopkins, 1918; Asst. in Pathol., *ibid.*, 1918-19; Lab. for Surg. Research, Harv., 1919-20; *Surg. H. O., P. B. B. H., March 1, 1920-July 1, 1921*; Asst. Prof. of Urol., Univ. of Minn. Med. Sch.; Chief Urologist, Ancker Hosp., St. Paul, Minn.; Visit. Genitourinary Surg., Miller Hosp.; in practice, St. Paul, Minn.

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FOLIN, OTTO

S.B., Univ. of Minn., 1892; Ph.D., Univ. of Chicago, 1898; Sc.D., Washington Univ., 1915; Sc.D., Univ. of Chicago, 1916; Hon. M.D., Lund, 1918; Mem. Nat. Acad., 1916; Stud., Univs. of Sweden and Germany, 1897 and 1898; Asst. Prof. of Physiol. Chem., Univ. of W. Va., 1899-1900; Research Chem., McLean Hosp., Waverley, 1900-08; Assoc. Prof. of Biol. Chem., Harv., 1907-09; Hamilton Kuhn Prof. of Biol. Chem., *ibid.*; Chem., M. G. H.; *Consult. Chem., P. B. B. H.* Died October 25 1934.

FORBES, HENRY STONE

A.B., Harv., 1905; Philippine Islands, 1905-06; M.D., Harv., 1911; Med. H. O., B. C. H., 1911-13; *Sr. Med. H. O., P. B. B. H., June 1-November 1, 1913*; Phys. for Men, Infirmary, Univ. of Cal., Berkeley, Calif., 1914-15; Am. Red Cross, Serbia, 1915-16; Asst. Phys., M. G. H., O. P. D.; Lieut. and Capt., M. C., U. S. Army, 1917-19; Research Work, Cancer Commission, Harv.; Lab. and Field Work, Div. Industrial Hygiene, *ibid.*; Hon. Research Fellow, Applied Physiol., Yale Univ., New Haven, Conn.; Research Work, Neuropathol., Harv.; Research Fellow Neuropathol., *ibid.*; Assoc. in Neuropathol., *ibid.*

FORT, JR., LYNN

B.S., Univ. of Ga., 1921; M.D., Emory Univ., 1925; Interne, Cincinnati Gen. Hosp., July, 1925-February, 1926; *Surg. H. O., P. B. B. H., March 1, 1926-July 1, 1927*; Asst. Res. Surg., Strong Mem. Hosp., Rochester, N. Y., 1927-28; in practice, Atlanta, Ga.

FOSTER, JOHN HESS

B.S., Colby, 1913; M.D., Univ. of Pa., 1917; *Med. H. O., P. B. B. H., July 1, 1917-June 15, 1918*; First Lieut., M. C., U. S. Army, 1918-19; Instr. in Med., Hunan-Yale Coll. of Med., Changsha, China; Vol. Asst., Thorndike Mem. Lab., B. C. H., 1923-24; Asst. in Med., Harv., 1924; Asst. Prof. in Med., Hunan-Yale Coll. of Med., Changsha, China; Assoc. Prof. of Med., *ibid.*, 1924-27; Attend. Phys., Waterbury Hosp.; in practice, Waterbury, Conn.

FOSTER, LEWIS CHANDLER

A.B., Univ. of Kansas, 1919; M.D., Harv., 1923; Substitute, Med. Serv., New York Hosp., two months, 1922; *Surg. H. O., P. B. B. H., July 1, 1923-November 1, 1924*; Asst. Res. Surg., New Haven Hosp., 1924-25; Res. Surg., *ibid.*, 1925-27; Instr. Surg., Yale Med. School, 1925-28; Asst. Clin. Prof. Surg., *ibid.*, 1928-38; Assoc. Prof. Surg., *ibid.*

FREEMAN, ALEX R.

M.D., Emory, 1929; Interne, Wesley Mem. Hosp., Atlanta, Ga., 1929-30; *Asst. Res. Phys., P. B. B. H., August 1, 1930-July 1, 1932*; Asst. Plantation Phys., Estates of Central Aguirre, Porto Rico, 1932-34; in practice, Albany, Ga.

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FREMONT-SMITH, FRANK

M.D., Harv., 1921; *Pathol. H. O., P. B. B. H., July 1, 1921-July 1, 1922*; Med. H. O., B. C. H., 1922-23; Asst. in Neuropathol., Harv., 1923-24; Asst. in Neurol., M. G. H.; Asst. in Neuropathol., Harv., 1924-25 and 1925-26; John White Brown Scholar, Harv., 1924-25 and 1925-26; Jr. Visit. Phys., for Neurol., B. C. H., 1927-29; Research Fellow, Thorndike Mem. Lab., B. C. H., 1927-30; Asst. Vis. Phys. for Neurol., *ibid.*; in charge, Cerebrospinal Fluid Lab., B. C. H.; Asst. Prof. Neuropathol., Harv.; Chief of Neurol. Labs., B. C. H.; Assoc. in Psychiatry and in charge of Psychiatric Div., O. P. D., M. G. H., 1934-35; Director of Med. Div., Josiah Macy Jr. Foundation, New York.

FREMONT-SMITH, MAURICE

A.B., Harv., 1913; M.D., *ibid.*, 1918; *Surg. H. O., P. B. B. H., March 1, 1918-February 7, 1919*; in charge of hosp. at Sivas, Armenia, 1919-20; in practice, internal medicine, Boston.

FRIEDLANDER, RICHARD DUFFICY

A.B., Univ. Calif., 1926; A.M., *ibid.*, 1928; M.D., *ibid.*, 1930; Research Asst., George Williams Hooper Foundation for Med. Research, San Francisco, 1927; Interne, Univ. Calif. Hosp., 1930-31; Asst. Res. in Med., *ibid.*, 1931-32; Research Assoc., George Williams Hooper Foundation for Med. Research, 1931-32; *Asst. Res. Phys., P. B. B. H., 1932-34*; Res. in Med., Univ. Calif. Hosp., 1934-35; Instr. in Med., Univ. Calif. Med. Sch.; in practice, San Francisco, Calif.

FRIEND, DALE G.

B.A., 1930, M.S., 1931, Univ. of Iowa; M.D., Harv., 1935; Asst. to Clin. and Pathol. Chemist, Univ. Hosp., Iowa City, 1930-31; *Med. H. O., P. B. B. H., October 15, 1935-November 1, 1936*; *Asst. Res. Phys., ibid., 1936-37*; Research Fellow, Biol. Chem. and Med., Harv.

FULTON, JOHN FARQUHAR

B.S., Harv., 1921; B.A., Oxford (England), 1923, M.A., D.Phil., 1925; M.D., Harv., 1927; hon. M.A., Yale, 1929; Christopher Welch Scholar, and Demonstrator Physiology, Oxford, 1923-25; awarded Warren Triennial Prize, M. G. H., 1925; *Junior Assoc. Neurological Surgery, P. B. B. H., 1928*; Fellow, Magdalen College, Oxford, 1928-30; Prof. Physiology, Yale School of Medicine, 1929-30; Chairman, Univ. Dept. Physiology, Yale, 1931-34; Assoc. Fellow, Pierson Coll., Yale, 1933-; Co-chairman, Univ. Dept. Physiological Sciences, 1934-36; Chairman, 1936-; Examiner, Div. Physiology, National Board of Medical Examiners, 1934-35; Sterling Prof. Physiology, Yale Univ. Sch. of Med.

GABE, WILLIAM EDWIN

M.D., Harv., 1918; *Surg. H. O., P. B. B. H., March 1, 1918-March 31, 1919*; Instr. in Surg., Indiana Univ. Sch. of Med.; Visit. Staff in Gynecology, Indianapolis City Hosp.; Staff, Methodist Episcopal

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Hosp., and St. Vincent's Hosp., Indianapolis; in practice, Indianapolis, Ind.

GAISER, DAVID WESLEY

B.S., Whitman, 1924; M.D., Harv., 1931; *Surg. H. O., P. B. B. H.*, 1931-33; Pathol. H. O., New Haven Hosp., 1933-34; Asst. Res. Surg., *ibid.*, 1934-36; in practice, Spokane, Wash.

GERMAN, WILLIAM J.

A.B., Univ. Calif., 1922; M.A., *ibid.*, 1923; M.D., Harv., 1926; *Surg. H. O., P. B. B. H.*, July 1, 1926-November 1, 1927; Fellow in Plastic Surg., Johns Hopkins; Asst. in Surg., Yale Univ. School of Med., and Asst. Res. in Surg., New Haven Hosp., 1928-29; William Harvey Cushing Fellow in Surg., Yale Univ. School of Med., 1929-30; Instr. in Surg., *ibid.*, 1930-32; Res. in Surg., New Haven Hosp., 1930-31; Asst. Prof. Surg., Yale Univ.; Assoc. Surg., New Haven Hosp.

GILE, HAROLD H.

A.B., Princeton, 1915; M.D., Columbia (Coll. of Phys. and Surgs.), 1922; Surg. Interne, Presbyterian Hosp., New York, 1922-24; *Asst. Res. Surg., P. B. B. H.*, January 1-November 1, 1925; Asst. Visit. Urologist, Presbyterian Hosp., New York.

GLENDY, ROBERT EARLE

B.S., Va. Military Inst., 1925; M.D., Univ. of Va., 1931; *Med. H. O., P. B. B. H.*, 1931-33; Asst. Phys., Middlesex Co. San., 1933; Asst. Res. Phys., 1933-34, Dalton Scholar in Med., 1934-35, Research Fellow, Cardiac Lab., 1935-36, Mass. Gen. Hosp.; in practice, Boston.

GLENN, FRANK

M.D., Washington Univ., 1927; Med. Service, Strong Mem. Hosp., July, 1927-July, 1928; *Surg. H. O., P. B. B. H.*, January 1, 1929-May 1, 1930; *Asst. Res. Surg., ibid.*, May 1, 1930-April 15, 1931; *Interim Res. Surg., ibid.*, July 13, 1931-October 1, 1931; George Gorham Peters Trav. Fellow, 1931-32; First Asst. Res. Surg., N. Y. Hosp., 1932-33; Asst. in Surg., Cornell, 1932-33; Res. Surg., N. Y. Hosp., 1933-35; Instr. in Surg., Cornell Med. Coll., 1933-35; Asst. Attend. Surg., Research Fellow, N. Y. Hosp.; Instr. in Surg., Cornell Med. Coll., 1934-36; Asst. Attend. Surg., N. Y. Hosp.; Assoc. in Surg., Cornell Med. College, 1937-38; Asst. Prof. Clin. Surg., *ibid.*; in practice, New York.

GOETSCH, EMIL

S.B., Univ. of Chicago, 1903; Ph.D., *ibid.*, 1906; Fellow Asst. and Assoc. in Anat., *ibid.*, 1904-08; Research Asst., Dept. of Exp. Therapeutics, *ibid.*, 1908-09; Rush Med. Coll., 1906-07; M.D., Johns Hopkins, 1909; Asst. in Surg., *ibid.*, 1909-10; Asst. Res. Surg., *ibid.*, 1910-12; *Res. Surg., P. B. B. H.*, September 1, 1912-September 1, 1915; Asst. in Surg., Harv., 1912-15; Assoc. in Surg., Johns Hopkins, 1915-18; Assoc. Prof. of Surg., *ibid.*, 1918-19; Prof. of Surg., L. I.

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Coll. of Med. and Surg.-in-Chief, Long Island Coll. Hosp., Brooklyn, N. Y.; in teaching and practice, Brooklyn, New York.

GOLDEN, ROSS

A.B., Cornell (Mt. Vernon, Iowa), 1912; M.D., Harv., 1916; *Med. H. O., P. B. B. H., July 1, 1916-July 18, 1917*; Capt. and Major, M. C., U. S. Army, 1917-20; House Phys., X-ray Dept., M. G. H., 1920-21; *Asst. Res. Phys., P. B. B. H., July 1, 1921-April 15, 1922*; Director, Dept. of Radiology, Presbyterian Hosp., N. Y.; Prof. of Radiology, Columbia Univ.

GOODALL, HARRY WINFRED

A.B., Dart., 1898; M.D., Harv., 1902; House Pupil, M. G. H., 1902-03; House Pupil, Boston Lying-In Hosp., 1903; *Assoc. in Med., P. B. B. H., December 12, 1912-December 31, 1917*; Lieut. Col., M. C., U. S. Army, 1917-19; Instr. in Med., Harv. Grad. Sch. of Med.; Phys., Boston Dispensary; Asst. Visit. Phys., N. E. Baptist Hosp., Boston Dispensary, N. E. Baptist Hosp., N. E. Deaconess Hosp.; Chief, Med. Staff, Chelsea Mem. Hosp.; in practice, Boston. *Died, April 17, 1935.*

GOODPASTURE, ERNEST WILLIAM

A.B., Vanderbilt, 1907; M.D., Johns Hopkins, 1912; Rockefeller Fellow in Pathol., Johns Hopkins, 1912-14; Pathol., Union Protest. Infirmary, Baltimore, 1913-14; Asst. Res. Pathol., J. H. H., 1913-14; Act. Res. Pathol., *ibid.*, 1914-15; Instr. in Pathol., Johns Hopkins, 1914-15; *Res. Pathol., P. B. B. H., September 1, 1915-October 1, 1917*; Asst. Prof. Pathol., Harv.; Fellow in Pathol., Cancer Comm., *ibid.*; Lieut. (j. g.) M. C., U. S. N. R. F.; *Act. Pathol., P. B. B. H., February 1-August 15, 1920*; Chief, Dept. of Pathol. and Bacteriol., Univ. of Philippines, 1922; Pathol., Phil. Gen. Hosp., Manila, 1922; Director, William H. Singer Mem. Research Lab., Pittsburgh, 1922-24; Scholarship, Gen. Education Board of the Rockefeller Found. Inst. for Gen. and Exp. Pathol., Vienna, 1924-25; Prof. of Pathol., Vanderbilt Univ., Nashville, Tenn.

GORDON, BURGESS

A.B., Gonzaga Univ., 1912; M.D., Jefferson Med. Coll., 1919; Interne, Jefferson Hosp., 1919-21; *Asst. Res. Phys., P. B. B. H., September 15, 1921-August 1, 1922*; *Res. Phys., ibid., August 1, 1922-September 1, 1925*; Assoc. Prof. Med., Jefferson Med. Coll.; Phys., Pennsylvania Hosp.; Visit. Phys., White Haven San.; Consult. Phys., Frederick Douglass Hosp.; Med. Director and Phys. in charge, Dept. for Diseases of Chest, Jefferson Hosp., Philadelphia; Asst. Phys., *ibid.*; in practice, Philadelphia, Pa.

GRAHAM, WILLIAM RANDOLPH

M.D., Med. Coll. of Va., 1925; Interne, Johnston-Willis Hosp., Richmond, Va., 1925-26; *Jr. Assoc. in Med., P. B. B. H., 1926-27*; in practice, Richmond, Va.

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GRANT, SAMUEL BECKER

B.S., Washington Univ., 1918; M.D., *ibid.*, 1920; *Med. H. O., P. B. B. H.*, October 16, 1920-March 1, 1922; *Med. H. O., J. H. H.*, March 1, 1922-May 1, 1922; *Asst. Res. Phys., P. B. B. H.*, April 15, 1922-September 15, 1923; Asst. in Clin. Med., Wash. Univ.; Asst. in Med., Barnes Hosp.; in practice, St. Louis, Mo.

GRAVES, EDWIN G.

A.B., Univ. of Texas, 1920; M.D., Harv., 1924; *Med. H. O., P. B. B. H.*, July 1, 1924-July 1, 1925; Instr. Med. Nursing, Methodist Hosp., Houston, Texas; in practice, Houston, Texas.

GRAVES, ROGER COLGATE

A.B., Syracuse Univ., 1913; M.D., *ibid.*, 1918; *Surg. H. O., P. B. B. H.*, August 15, 1918-October 19, 1919; Asst. Res. Surg., New Haven Hosp., New Haven, Conn., 1919-20; *Asst. Res. Surg., P. B. B. H.*, July 15, 1920-August 1, 1921; *Assoc. in Surg., ibid.*, September 1, 1921-April, 1923; Cabot Fellow, Harv., in charge of Lab. of Surg. Research, September 1, 1921-September 1, 1922; Urologist-in-Chief, Carney Hosp.; Genito-Urinary Surg., Pondville State Hosp. for Cancer; Assoc. Consult. Urologist, Brockton Hosp.; Consult. Urol., Quincy Hosp., Choate Mem. Hosp., Woburn, Westfield San., Cancer Unit; Consult., G. U. Dept. (Tumor Clin.), Boston Disp.; Assoc. Staff, Palmer Mem. Hosp. and Urol. to N. E. Deaconess Hosp.; Clin. Prof. Urol., Tufts; in practice, Boston.

GRAY, CHARLES M.

A.B., Ohio Wesleyan Univ., 1926; M.D., Johns Hopkins, 1930; *Surg. H. O., P. B. B. H.*, January 1, 1931-May 1, 1932; in practice, Tampa, Florida.

GRAY, HORACE

A.B., Harv., 1909; M.D., *ibid.*, 1914; *Med. H. O., P. B. B. H.*, November 1, 1914-March 1, 1916; Inst. for Juv. Research, Chicago, Ill., 1926-29; Clin. Prof. Med., Stanford Univ., San Francisco, Calif.

GREEN, GEORGE F.

B.S., Univ. of Mich., 1922; M.S. in Surg., Univ. of Minn., 1929; M.D., Univ. of Mich., 1924; Asst. in Physiol., *ibid.*; Asst. in Med., B. C. H., IV Med. Serv.; *Jr. Assoc. in Pathol., P. B. B. H.*, October 1, 1924-January 15, 1925; Fellow in Surg., Mayo Foundation, 1925-29; Staff Surg., St. Joseph's Hosp. and Epworth Hosp., South Bend, Ind.; in practice, South Bend, Ind.

GREENE, JAMES A.

M.D., Harv., 1925; *Med. H. O., P. B. B. H.*, November, 1925-March, 1926; in practice, Dallas, Texas, 1926-28; Instr. in Med., Univ. of Mich., 1928-30; Instr. of Int. Med., Univ. of Indiana, 1930-32; Assoc. in Med., Univ. of Iowa, 1933-35; Asst. Prof. Med., Univ. Iowa, Iowa City, Iowa; Assoc. Prof. Med., *ibid.*

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GREENE, THEODORE C.

A.B., Harv., 1920; M.D., *ibid.*, 1924; Asst. in Pathol., Johns Hopkins, September, 1924-January, 1925; *Surg. H. O., P. B. B. H., March 1, 1925-July 1, 1926*; Asst. in Clin. Neurol., Peiping Union Med. Coll., September 15, 1929-May 15, 1930; Surg., Douw Hosp., Presbyterian Mission, Peiping, China, 1927-34; Roentgenologist, University Hosp., Cheeloo Univ., Tsinan, Shantung, China.

GREENSPON, EDWARD A.

M.D., McGill Univ., 1916; House Bacteriol., Royal Victoria Hosp., Montreal, 1916-17; Asst. Res. Pathol., Johns Hopkins, 1917-18; Capt., Canadian Army Med. Corps; *Res. Pathol., P. B. B. H., October 1, 1919-April 1, 1920*; *Med. H. O., ibid., April 1, 1920-July 1, 1921*; May Fellow in Med. Research, Johns Hopkins; Asst. in Med., *ibid.*, 1921-23; Assoc. Phys., Women's Gen. Hosp., Montreal; in practice, Montreal, P. Q., Canada.

GREY, ERNEST

A.B., Univ. of Wis., 1907; Asst. in Anat., *ibid.*, 1907-08; Stud. in Med., *ibid.*, 1907-08; M.D., Johns Hopkins, 1911; Res. H. O., *ibid.*, 1911-12; *Surg. H. O., P. B. B. H., November 1, 1912-February 12, 1914*; *Asst. Res. Surg., ibid., February 12, 1914-September 1, 1916*; Asst. in Surg. Harv., 1915-16; Instr. in Surg., Johns Hopkins. *Died October 12, 1918.*

HADLER, ARTHUR JOSEPH

A.B., Harv., 1931; M.D., *ibid.*, 1935; *Med. H. O., P. B. B. H., February 15, 1936-January 1, 1938*; Chelsea Mem. Hosp., May-July, 1938; Asst. Res., L. I. Hosp.

HAHN, RICHARD G.

B.S., Lafayette; M.D., Harv., 1928; *Med. H. O., P. B. B. H., March 1, 1929-July 1, 1930*; *Asst. Res. Phys., ibid., July 1, 1930-September 1, 1931*; *Res. Phys., ibid., September 1, 1931-September 1, 1933*; Fellow in Pathol., Cornell Univ., 1933-34; Member, Rockefeller Foundation Investigating Tuberculosis, Clin. and Epidemiological, New York City; Asst. Attend. Phys., N. Y. Hosp.

HAIGHT, CAMERON

A.B., Univ. of Calif., 1923; M.D., Harv., 1926; *Surg. H. O., P. B. B. H., November 1, 1926-March 1, 1928*; Asst. Res. Surg., New Haven Hosp., 1928-31; Instr. in Surg., Univ. of Mich., 1931-34; Asst. Prof. Surg., *ibid.*, 1934-38; Assoc. Prof. Surg., *ibid.*

HALE, WORTH

A.B., Univ. of Mich., 1908; M.D., *ibid.*, 1904; *Assoc. in Med., P. B. B. H., November 1, 1917-December 31, 1918*; Assoc. Prof. of Pharm. and Asst. Dean, Harv.

HALL, DONALD T.

B.S., Univ. of Wash., 1931; M.D., Harv., 1935; *Surg. H. O., P. B. B. H., June 15, 1935-November 1, 1936*; Surgeon aboard the sloop *Yankee* on a cruise around the world.

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HALL, FRANCIS C.

Litt.B., Princeton, 1913; M.D., Harv., 1917; H. O., M. G. H., 1918; M. C., U. S. Army, 1918-19; Asst. Visit. Phys. and Visit. Phys. to O. P. D., M. G. H., 1920-22; *Assoc. in Med., P. B. B. H., April 14, 1921-September 24, 1931*; Research Fellow, Thorndike Mem., B. C. H.; Jr. Visit. Phys., *ibid.*; Asst. in Med., Harv.; in practice, Boston, Mass.

HALLARAN, WILLIAM RICHARD

B.S., College of Wooster, Wooster, Ohio, 1925; M.D., Western Reserve, 1932; *Med. H. O., P. B. B. H., July 1, 1932-November 1, 1933*; Asst. Res. in Med., Lakeside, 1933-35; Demonstr. in Med., Western Reserve; Asst. Phys., Disp., Lakeside Hosp.; in practice, Cleveland, Ohio.

HALLER, DAVID ALEXANDER

A.B., Hampden-Sidney, 1908; M.D., Columbia, 1913; *Med. H. O., P. B. B. H., November 1, 1913-March 1, 1915*; Asst. Res. Phys., *ibid.*, March 1, 1915-October 1, 1916; Res. Phys., *ibid.*, October 1, 1916-June 6, 1917; Major, M. C., U. S. Army, 1917-19; Junior Attend. Phys., Hahnemann Hosp., 1920-21; Internist for the Rochester Clinic, Rochester, N. Y., 1919-25; Asst. Phys., Rochester Gen. Hosp.; Phys. to Baden St. Disp., 1924-25; Instr. in Med., Univ. of Rochester Med. Sch., 1926-29; Asst. Prof. of Med., *ibid.*; Asst. Phys., Strong Mem. Hosp., Rochester, N. Y.; Chief, Med. Serv., and Chairman, Med. Board, Rochester Gen. Hosp.; in practice, Rochester, N. Y.

HAMILTON, C. CARTER

M.D., Univ. Iowa, 1923; Rotating Interne, Miller Hosp., St. Paul, 1923-24; General practice, Iowa, 1924-32; *H. O., Roent., P. B. B. H., 1932-33*; Asst. Res. in Roent., *ibid.*, 1933-34; Roentgenologist, Memorial Hosp., Albany, N. Y.

HANSMANN, GEORGE H.

M.D., Univ. of Iowa, 1918; Hosp. Chem., Iowa Univ. Hosp., 1918-19; Clin. Asst., Dept. of Internal Med., *ibid.*, 1919-20; Lect. in Clin. Microscopy, *ibid.*, 1920-21; *Res. Pathol., P. B. B. H., September 15, 1921-September 15, 1923*; Pathol., Iowa Univ. Hosp.; Pathol., Columbia Hosp., Milwaukee.

HARBIN, MAXWELL

B.S., Univ. of Georgia, 1916; M.D., Harv., 1920; *Surg. H. O., P. B. B. H., November 1, 1920-March 1, 1922*; H. O., Children's Hosp., 1922-23; Surg., Harbin Hosp., 1923-25; Assoc. in Orthopedic Surg., Lakeside Hosp.; Surg. in Charge, Rainbow Hosp.; Asst. Prof. Orthopedic Surg., Western Reserve Univ. School of Med.

HARBIN, JR., ROBERT MAXWELL

B.S., Univ. of Ga., 1925; M.D., Emory Univ. Med. School, 1928; *Surg. H. O., P. B. B. H., July 1, 1928-November 1, 1929*; in practice, Rome, Ga.

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HARRISON, TINSLEY RANDOLPH

A.B., Univ. of Mich., 1919; M.D., Johns Hopkins, 1922; *Med. H. O.*, *P. B. B. H.*, November 1, 1922-March 1, 1924; *Asst. Res. Phys.*, *ibid.*, March 1-September 1, 1924; *Asst. in Med.*, Johns Hopkins, 1925-26; *Res. Phys.*, Vanderbilt Univ. Hosp., Nashville, Tenn., 1926-27; *Instr. in Med.*, Vanderbilt Univ., 1926-27 (leave of absence, 1927-28); *Asst. Prof. Med.*, *ibid.*, 1928-32; *Assoc. Prof. of Med.*, *ibid.*

HARRISON, JR., WILLIAM GROCE

A.B., Univ. of Mich., 1924; M.D., Johns Hopkins, 1928; *Med. H. O.*, *P. B. B. H.*, March 1, 1929-July 1, 1930; *Asst. Res. Phys.*, Vanderbilt Univ. Hosp., 1930-32; in practice, Birmingham, Ala.

HARVEY, SAMUEL CLARK

Ph.B., Yale, 1907; M.D., *ibid.*, 1911; Sc.D., Western Reserve, 1931; Alonzo Clark Fellow, Columbia, 1911-12; *Instr. in Pathol.*, *ibid.*, 1912-13; *Asst. Res. Phys.*, Loomis Sanitarium, Loomis, N. Y., 1913-14; *Surg. H. O.*, *P. B. B. H.*, November 1, 1914-November 1, 1915; Arthur Tracy Cabot Fellow, in charge of Lab. of Surg. Research, Harv., 1915-16; *Asst. Res. Surg.*, *P. B. B. H.*, November 1, 1916-May 7, 1917; Major, M. C., U. S. Army, 1917-19; *Res. Surg.*, New Haven Hosp.; *Instr. in Surg.*, Yale, 1919-20; *Asst. Prof. of Surg.*, *ibid.*, 1920-21; *Assoc. Prof. of Surg.*, *ibid.*, 1921-23; *Consult. Surg.*, State of Conn. Tbc. Comm.; Surgeon-in-Chief, New Haven Hosp. and New Haven Disp.; *Prof. of Surg.*, Yale.

HASS, GEORGE MARVIN

M.D., Harv., 1929; *Pathol. H. O.*, *P. B. B. H.*, January 1, 1930-January 1, 1931; *Asst. Res. Pathol.*, Children's Hosp., January-September, 1931; *Res. Pathol.*, *ibid.*, 1931-32; *Instr. in Pathol.*, Harv.; *Res. Pathol.*, *P. B. B. H.*, 1932-34; Society of Fellows, Harv., 1934-37; *Instr. in Pathol.*, Harv.

HATCH, FLOYD FROST

A.B., Univ. of Utah, 1912; M.D., Harv., 1914; *Med. H. O.*, *P. B. B. H.*, March 1, 1914-January 4, 1915 (granted leave of absence from January 4-February 28, 1915); *Surg. House Pupil*, M. G. H., 1915-16; *House Surg.*, *ibid.*, 1916-17; *Surg. to G. U. Dept.*, Salt Lake County Hosp., 1917-18; *Surg. to G. U. Dept.*, L. D. S., Hosp., Salt Lake City, Utah; First Lieut., M. C., U. S. Army, 1918-19; *Asst. County Phys.*, Salt Lake County Hosp., and *Asst. Visit. Surg.*, *ibid.*, 1921-22; *Post-Grad. Study of Surg.*, Europe, 1926-27; *Sr. Visit. Surg.*, Latter Day Saints' Hosp.; *Surg.*, Inter-Mountain Clin.; in practice, Salt Lake City, Utah.

H'DOUBLER, FRANCIS TODD

B.A., Univ. of Wis., 1907; M.A., *ibid.*, 1908; Ph.D., *ibid.*, 1910; *Stud.*, Univ. of Wis. Med. Sch., one year; *Stud.*, Rush Med. Sch. and Univ. of Philippines, one year; M.D., Harv., 1915; *H. O.*, Augustana Hosp., Chicago, 1915-16; *Med. H. O.*, *P. B. B. H.*, January 11, 1916-March 1, 1917; *H. O.*, Augustana Hosp., 1917-18; First Lieut. and

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Capt., M. C., U. S. Army, 1918-19; Moseley Travelling Fellow, Harv., 1919-20; Lakeside Hosp., Cleveland, Ohio, 1921; Instr. in Pathol. and Surg., Univ. of Ill., 1921-24; Jr. Attend. Surg., Augustana Hosp., Chicago, 1922-23; in practice, Chicago, 1922-23; Attend. Surg., St. John's, Burge Deaconess and Springfield Baptist Hospitals; in practice, Springfield, Mo.

HEAD, JEROME R.

M.D., Harv., 1922; *Surg. H. O., P. B. B. H., July 1, 1922-November 1, 1923*; Surg. Pathol., Mayo Clin., Rochester, Minn., 1924; Res. Surg., State of Wis. Gen. Hosp., Madison, 1924-26; Assoc. Prof. Surg., Northwestern Univ.; in practice, Chicago, Ill.

HENDERSON, WILLIAM ROBERT

M.B., Ch.B., Edinburgh, 1926; House Surg., Royal Infirmary, Edinburgh, 1926-27; House Surg., Sick Children's Hosp., Edinburgh, 1927; Rockefeller Fellow, British Research Council; *Asst. Res. Surg., P. B. B. H., May 1, 1930-March 15, 1931*; Clin. Asst. in Neuro-Surgery, Edinburgh Royal Infirmary, 1931-33; House Surgeon, National Hosp., London, 1935-38; Lect., Neurol. Surg., Univ. Leeds; Hon. Neurol. Surg., General Infirmary, Leeds.

HERRICK, THEODORE POMEROY

A.B., Yale, 1915; M.D., Harv., 1919; *Med. H. O., P. B. B. H., December 26, 1918-January 1, 1920*; Med. H. O., Children's Hosp., Boston, 1920; H. O., Infants' Hosp., Boston, 1921; Res. Pediatrician, Rainbow Hosp., Cleveland, Ohio, 1921-24; Asst. Visit. Pediatrician, St. Vincent's Charity Hosp., Cleveland, Ohio, 1921-28; Asst. Visit. Pediatrician, St. Luke's Hosp., Cleveland, Ohio, 1922-23, and since 1928; Licentiate, Am. Bd. Pediatrics, 1936; in practice, Cleveland, Ohio.

HERRING, JAMES B.

M.D., Univ. of Pa., 1922; Interne, Southern Pacific Hosp., 1922-23; Private practice, San Francisco, 1923-30; *Asst. Res. Surg., P. B. B. H., September 1, 1931-September 1, 1932*; Member of Staff, St. Luke's Hosp., San Francisco.

HERRMANN, GEORGE R.

B.S., Univ. of Mich., 1916; M.D., M.S., *ibid.*, 1918; Ph.D., *ibid.*, 1922; *Med. H. O., P. B. B. H., October 1, 1918-October 1, 1919*; Asst. Res. Phys., Barnes Hosp., 1919-20; Res. Phys., *ibid.*, and Asst. in Med., Wash. Univ., St. Louis, 1920-21; Instr. in Med., Univ. of Mich., and Asst. Prof. Med., *ibid.*, 1921-25; Asst. Prof. of Med. and Assoc. Prof. of Med., Tulane Univ., New Orleans, La., 1928-31; Visit. Phys. and Director, Heart Station, Charity Hosp., New Orleans, 1928-31; Prof. of Clin. Med., Univ. of Texas, Galveston, Texas; in practice, Galveston, Tex.

HERRMANN, LOUIS G.

A.B., Univ. of Mich., 1920; M.D., Wash. Univ. Med. Sch., 1924; Interne, Maryland Gen. Hosp., Baltimore, July 1, 1924-March 1, 1925; *Med. H. O., P. B. B. H., March 1, 1925-July 1, 1926*; Asst. Res.

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Surg., Lakeside Hosp., Cleveland, Ohio, 1926-27; Crile Research Fellow in Surg. and Director, Lab. of Surg. Research, Western Reserve Univ. and Lakeside Hosp., 1927-28; Res. Surg., Lakeside Hosp.; Instr. in Surg., Western Reserve Univ., 1929-30; Asst., Clinique Chirurgicale A (Prof. Leriche) Univ. de Strasbourg, Strasbourg, France, 1930-31; Asst. Chirurgische Universitäts Klinik (Prof. P. Clairmont) Univ. of Zurich, Switzerland, 1931-32; Asst. Prof. of Surg., Univ. of Cincinnati.

HERTIG, ARTHUR T.

B.S., Univ. of Minn., 1928; M.D., Harv., 1930; *Pathol. H. O., P. B. B. H., July 1, 1930-July 1, 1931*; Pathol., B. L. I., 1931-32; Res. Pathol., Children's Hosp., 1932-33; National Research Fellow, Carnegie Lab. of Embryology, 1933-34; Asst. Pathol., B. L. I., 1934-36; H. O., *ibid.*, 1936-37; Asst. Res. Phys., *ibid.*, 1937; Res. Phys., *ibid.*, 1938; Asst. Pathol., *ibid.*; Pathol., Free Hosp. for Women; Assoc., Dept. Pathol., Harv.; Instr., Dept. Obstetrics, *ibid.*; Asst. Obst. to out-patients, B. L. I.

HIGBEE, DANIEL RIGGS

A.B., Col. Coll., 1920; M.D., Harv., 1923; Med. H. O., M. G. H., March, 1924-November, 1925; *Surg. H. O., P. B. B. H., November 1, 1925-March 1, 1927*; Asst. Prof. Urol., Univ. Col.; in practice, Denver, Colorado.

HJORT, AXEL MAGNUS

A.B., Univ. of Ill., 1914; M.S., *ibid.*, 1915; Ph.D., Yale, 1918; M.D., Yale Univ. Med. Sch., 1921; *Med. H. O., P. B. B. H., July 1, 1921-November 1, 1922*; Parke Davis & Co., Detroit, Mich., 1923-26; Prof. Pharmacology, Dart. Med. Sch., Hanover, N. H., 1926-29; Toxicologist and Asst. Director of Med. Research, Med. Research Div., Chemical Warfare Service, Edgewood Arsenal, Edgewood, Md., 1929-32; Physiologist, Exp. Research Labs., Burroughs Wellcome Co., Tuckahoe, N. Y.

HODGSON, JOHN SPRAGUE

Ph.B., Brown, 1911; M.D., Harv., 1917; Surg. House Pupil, M. G. H., 1915-16; Res. Surg., *ibid.*, 1916; *Surg. H. O., P. B. B. H., November 1, 1916-March 1, 1917*; *Asst. Res. Surg., ibid., March 1-June 22, 1917*; First Lieut., M. C., U. S. Army, 1917-19; Typhus Work in Macedonia, 1919; Res. Surg., M. G. H., 1920; Second in Neurol. Surg., M. G. H.; Asst. Visit. Surg., *ibid.*

HOEN, THOMAS I.

A.B., Johns Hopkins, 1924; M.D., *ibid.*, 1928; Fellow in Surg., *ibid.*; *Surg. H. O., P. B. B. H., April 1, 1929-August 1, 1930*; *Asst. Res., Surg., ibid., October 1, 1930-September 7, 1931*; Res., Neuro-Surg., Royal Victoria Hosp.; Chief, Dept., Neuro-Surg., St.-Luc Hosp., Montreal; Consult. in Neuro-Surg., St. Mary's Hosp., Montreal.

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HOLMAN, EMILE

A.B., Stanford Univ., 1911; Univ. of Oxford, 1916; Med. Stud., Oxford Univ., Royal College of Surgeons, Edinburgh, Rotunda Hosp., Dublin, National Hosp., London, 1914-17; M.D., Johns Hopkins, 1918; Res. Med. Officer, Children's Hosp. Sch., 1918-19; Asst. Res. Surg., J. H. H., 1919-21; Res. Surg., *ibid.*, 1921-23; Instr. in Surg., J. H. M. S., 1920-23; *Asst. Res. Surg., P. B. B. H., July 15-September 1, 1923; Res. Surg., ibid., September 1, 1923-July 1, 1924*; Austin Teach. Fellow, Harv., 1923-24; Attend. Surg., Lakeside Hosp. and Asst. Prof. of Surg., Western Reserve Univ., Cleveland, Ohio, July, 1924-December, 1925; Assoc. Prof. Surg., Stanford Univ. Med. Sch., 1925-26; Attend. Surg., Stanford Univ. Hosp., San Francisco; Prof. of Surg., Exec. Head, Dept. of Surg., Stanford Univ. Med. School; Visit. Surg., Peiping Union Med. Coll., Peiping, China, September-December, 1930.

HORRAX, GILBERT

A.B., Williams, 1909; M.D., Johns Hopkins, 1913; Sc.D., (Don.) Williams Coll., 1936; *Surg. H. O., P. B. B. H., July 1, 1913-November 1, 1914*; Arthur Tracy Cabot Fellow in charge of Lab. of Surg. Research, Harv., 1914-15; *Asst. Res. Surg., P. B. B. H., 1915-16*; Res. Surg., M. G. H., 1916-17; Major, M. C., U. S. Army, 1917-19; Asst. Prof. of Surg., and Secretary, Dept. of Surg., Harv., 1925-32; Consult. Neurol. Surg., Children's Hosp., Boston, 1926-31; Consult. Neurol. Surg., N. E. Deaconess Hosp., 1926-32; *Assoc. in Neurol. Surg., P. B. B. H., October, 1919-March, 1928; Sr. Assoc. in Neurol. Surg., ibid., 1928-32*; in charge of Neuro-Surgery, The Lahey Clinic, Boston; Neuro-Surg., N. E. Deaconess and N. E. Baptist Hosps., Boston.

HORSFALL, JR., FRANK L.

A.B., Univ. Wash., 1927; M.D., C. M., McGill, 1932; *Pathol. H. O., P. B. B. H., 1932-33*; Res. Phys., Royal Victoria Hosp., 1933-34; Asst. Res. Phys., Rockefeller Inst. Hosp., 1934-36; Res. Phys., *ibid.*, 1936-37; Member, International Health Div., Rockefeller Foundation.

HOUCK, GEORGE H.

A.B., Univ. of Oregon, 1923; M.D., Harv., 1927; *Med. H. O., P. B. B. H., November 1, 1927-March, 1929*; Asst. Res. in Med., Lane Hospital and Stanford Univ. Med. Sch., 1929-30; Visit. Phys. in charge of Med. O. P. D., Univ. of Calif. Hosp.; Asst., Dept. of Med., Univ. of Calif. Med. Sch., San Francisco, Calif., 1930-31; Jr. Visit. Phys., Los Angeles General Hosp.; Assoc. Staff, St. Vincent's Hosp., Los Angeles, 1931-32; Exec. Staff, *ibid.*, 1933; Instr., Dept. of Med., Univ. of So. Calif., Los Angeles, 1933-36; Asst. Prof., *ibid.*; in practice, Los Angeles, Calif.

HOUGHTON, JOHN D.

A.B., Harv., 1927; M.D., *ibid.*, 1932; *Pathol. H. O., P. B. B. H., January-July, 1932*; Res. Pathol., B. C. H., February 14-August 14,

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1933; Asst. in Pathol., *ibid.*, 1933-35; Instr. in Path. and Bact., Tufts, 1936-37; Asst. Pathol., B. C. H.

HOUSTON, JR., DAVID WALKER

A.B., Princeton, 1912; M.D., Harv., 1916; *Surg. H. O., P. B. B. H., July 1, 1916-November 1, 1917; Asst. Res. Surg., ibid., November 1, 1917-February 8, 1918*; First Lieut., M. C., U. S. Army, 1918-19; Attend. Surg., Samaritan Hosp., Troy, N. Y.; in practice, Troy, N. Y.

HOWARD, HERBERT BURR

A.B., Harv., 1881; M.D., *ibid.*, 1884; Asst. Phys., State Infirmary, Tewksbury, Mass., 1884-85; in practice, Idaho Springs, Colo., 1885-87; Asst. Phys., State Infirm., 1887-91; Supt., *ibid.*, 1891-97; Res. Phys., M. G. H., 1897-1908; *Supt., P. B. B. H., May 1, 1908-May 1, 1919 (retired—age limit)*; Mem., Mass. State Bd. of Insanity, 1893-1913 (Chairman, 1908-13); Pres., American Hosp. Assoc., 1909-10; Trustee, State Colony for the Insane, Gardner, Mass. *Died March 6, 1923.*

HOWARD, LAWRENCE

M.D., Wash. Univ., 1928; Surg. Interne, Barnes Hosp., 1928-29; Surg. Pathol. Work, Cleveland Clinic, 1929-30; Fellow in Surg., *ibid.*, 1930-32; *Fellow in Urol., P. B. B. H., August 1, 1932-June 11, 1933*; in practice, Great Falls, Mont.

HUDSON, RICHARD T.

B.S., Univ. of Louisville, 1920; M.D., *ibid.*, 1924; one year rotating internship, Louisville City Hosp.; Asst. Res. Surg., Louisville City Hosp.; *H. O., Roentgenology, P. B. B. H., August 1-October 12, 1926*; Gen. Practice, Oldham Co., Ky., 1926-28; Clin. Asst. Orthopedic Surg., Louisville City Hosp., 1928-31; Member of Staff at Following Hospitals: Louisville City, Kentucky Baptist, St. Joseph's, Norton Mem. Infirm., Crippled Children's, Masonic Widows and Orphans Home; Member, Professional Advisory Comm., Kentucky Crippled Children's Commission; Res., Orthopedic Surg., Hosp. for Relief of Ruptured and Crippled, N. Y.; in practice, Louisville, Ky.

HUGGINS, HARRISON D.

Univ. of Oregon Med. School, two years; M.D., Harv., 1926; Substitute H. O., House of Good Samaritan; *Med. H. O., P. B. B. H., November 1, 1926-March 1, 1928*; six months post-grad. work, Vienna, Austria; Clin. Instr. in Otolaryngology and Ophthalmology, Univ. of Oregon; Member of Staff, Multnomah Co. Hosp.; in practice, Hillsboro, Ore.

HUMISTON, HOMER W.

B.S., Univ. of Ill., 1923; M.D., Harv., 1925; *Med. H. O., P. B. B. H., July 1, 1925-November 1, 1926*; Fellow in Surg., Mayo Clin., Rochester, Minn., 1926-29; Clin. Asst. in Urol., Northwestern Univ.; in practice (Urology), Chicago, Ill.

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HUMPHREYS, STORER PLUMER

B.A., Norwich Univ., Northfield, Vt., 1928; M.D., Yale, 1932; *Surg. H. O., P. B. B. H.*, March 1, 1933-July 1, 1934; Neuro-Surg. Res., M. G. H., 1934-35; Orth. Serv., *ibid.*, 1935-36; Orth. Serv., C. H.; Neuro-Surg. Res., M. G. H., 1936-37; Research Fellow, Neurol. and Neuro-Surg., Montreal Neurol. Inst., McGill Univ.

HURWITZ, SAMUEL HAYMANN

A.B., Harv., 1907; A.M., *ibid.*, 1908; M.D., Johns Hopkins, 1912; Res. H. O., J. H. H., 1912-13; *Surg. H. O., P. B. B. H.*, November 1, 1913-March 1, 1915; Instr. in Research Med., Univ., of Calif., 1915-17; Asst. Clin. Prof. of Med., *ibid.*, 1917-26; Clin. Prof. of Med., Stanford Univ. School of Medicine.

HYDER, PRENTISS L.

A.B., Univ. of Texas, 1929; M.D., Harv., 1933; *Surg. H. O., P. B. B. H.*, March 1, 1934-July 1, 1935; in practice, Corpus Christi, Texas.

ILFELD, FREDERIC WILLIAM

A.B., Harv., 1928; M.D., *ibid.*, 1932; *Pathol. H. O., P. B. B. H.*, July 1, 1932-January 1, 1933; Rotating and Surg. H. O., Lakeside Hosp., 1933-34; Asst., Dept., Prev. Med., Harv., 1934-35; Orth. H. O., C. H., 1935-36; Orth. H. O., M. G. H., 1936-37; Orth. Res., *ibid.*, 1937-38; Asst., Dept. Hygiene, Harv.; in practice, Boston, Mass.

INGALLS, THEODORE H.

A.B., Hamilton Coll., 1929; M.D., Harv., 1933; *Med. H. O., P. B. B. H.*, February 15, 1934-July 1, 1935; William Hunter Workman Fellow, Harv., and Children's Hosp., 1935-37; Res. in Pediatrics, M. G. H., 1937-38; George N. Talbot Fellow, M. G. H.; Asst. in Pediatrics, Harv.; in practice, Boston, Mass.

INGRAHAM, FRANC DOUGLAS

A.B., Harv., 1922; M.D., *ibid.*, 1925; *Surg. H. O., P. B. B. H.*, July 1, 1925-November 1, 1926; Fellow in Surg., Johns Hopkins Univ., November 1, 1926-September 1, 1927; *Asst. Res. Surg., P. B. B. H.*, September, 1927-September, 1928; *Res Surg., ibid.*, September-October, 1928; *P. B. B. H. Traveling Fellow in Surg.*, 1928; Neurol. Surg., Children's Hosp., Boston; Asst. in Surg., Harv.

JACK, EDWIN EVERETT

A.B., Harv., 1884; M.D., *ibid.*, 1887; *Act. Consult. Ophthalmologist, P. B. B. H.*, 1919-34; Consult. Ophthalmologist, Mass. Eye and Ear Infirmary.

JACK, WILLIAM DAVID

A.B., Creighton, 1908; Grad. Stud., Univ. of Chicago, 1909-10; M.D., Johns Hopkins, 1914; *Surg. H. O., P. B. B. H.*, July 1, 1914-November 1, 1915; Capt. and Asst. Surg., Second Harv. Unit, B. E. F., France, 1915-16; Asst. Res. Urologist, J. H. H., 1916-17; Capt., M. C., U. S. Army and Consult. Urologist, A. E. F., 1917-19; Asst. Res. Surg., and Res. Urol., J. H. H., 1919-21; in practice, Chicago, Ill.

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JACKSON, HOWARD BURR

A.B., Harv., 1915; M.D., *ibid.*, 1919; *Med. H. O., P. B. B. H.*, March 15, 1919-April 1, 1920; H. O., Surg. and Obstet. Services, Mass. Memorial Hosps., 1920; Asst. Phys. to Out-Patients, M. G. H.; Phys., Faulkner Hosp.; in practice, Jamaica Plain, Mass.

JACKSON, HOWARD C.

A.B., Univ. Mich., 1929; M.D., Harv., 1933; *Med. H. O., P. B. B. H.*, June 15, 1933-November 1, 1934; Interne in Pathol., Cleveland City Hosp., 1934-35 and Univ. Hospitals, Cleveland, 1935-36; Asst. Res. Surg., Univ. of Mich. Hosp., Ann Arbor, Mich., 1936-37; Res. Surg., *ibid.*

JACKSON, HOWARD L.

M.D., Tufts, 1918; Interne, Springfield Hosp.; in practice, Springfield, Mass.; *H. O., Roent., P. B. B. H.*, October 1, 1929-July 1, 1930.

JACOBSEN, VICTOR CLARENCE

B.S., Univ. of Wis., 1915; M.D., Harv., 1917; *Med. H. O., P. B. B. H.*, July 18, 1917-July 1, 1918; First Lieut., M. C., U. S. Army, 1918; *Pathol. H. O., P. B. B. H.*, January 1-July 1, 1919; *Res. Pathol.*, *ibid.*, July 1-October 1, 1919; Asst. Prof. of Pathol., Univ. of Wisconsin, 1919-20; *Res. Pathol., P. B. B. H.*, July 1, 1920-September 1, 1921; Instr. in Pathol., Harv., 1920-21; Pathol., Albany Hosp. and Troy Hosp.; Cyrus Strong Merrill Prof. of Pathol., Union Univ., Albany, N. Y., 1921-34; Member, Nat. Research Council, Med. Div., 1930-33; Research, Pasteur Inst., Paris, under Prof. C. Levaditi, 1931; Attend. Phys. and Pathol., Samaritan Hosp., Troy, N. Y.; Pathol., Mary McClellan Hosp., Cambridge, N. Y., and Cohoes Hosp., Cohoes, N. Y.; Assoc. Prof. Med., Albany Med. Coll.; Attend. Phys., Albany Hosp.; in practice, Troy, N. Y.

JACOBSON, CONRAD

B.S., Beloit, 1900; Grad. Stud., three summer qrs., Univ. of Chicago; Asst. Prof. of Chem. and Bacteriol., Armour Inst. of Tech., 1903-05; Research Asst. in Pathol., Univ. of Chicago, 1907-08; M.D., Johns Hopkins, 1911; Asst. in Surg., Hunterian Lab., *ibid.*, 1911-12; *Asst. Res. Surg., P. B. B. H.*, September 1, 1912-September 1, 1915; *Res. Surg., ibid.*, September 1, 1915-July 1, 1920; Asst. in Surg., Harv.; Assoc. Prof. of Surg., Univ. of Minn. Med. Sch., 1920-22; in practice, Seattle, Wash.

JAMESON, CHARLES HAROLD

A.B., Harv., 1916; M.D., *ibid.*, 1919; *Surg. H. O., P. B. B. H.*, June 15, 1919-November 1, 1920; Free Hosp. for Women, Brookline, 1920-21; *Asst. Res. Surg., P. B. B. H.*, February 14-June 15, 1921; *Asst. Res. Surg., ibid.*, September 15, 1921-June 21, 1922; in practice, Rockland, Me.

JANNEY, JAMES CRAIK

A.B., Harv., 1911; M.D., *ibid.*, 1915; *Surg. H. O., P. B. B. H.*, July 1, 1915-November 1, 1916; Major, M. C., U. S. Army; H. O., Boston

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Lying-In Hosp., 1923; Fellow, Am. Coll. Surgs., 1926; First Asst. Obstetrician, Mass. Memorial Hosp.; Asst. Prof. Gynaecology and Instr. in Obstetrics, Boston Univ. Sch. of Med.; in practice, Boston.

JARRETT, PAUL F.

B.A., Univ. Maine, 1932; D.M.D., Harv., 1935; *Dental H. O., P. B. B. H., July 1, 1935-July 1, 1936*; in practice, Stamford, Conn.

JOELSON, JAMES J.

M.D., Columbia, 1920; Surg. Interne, Presbyterian Hosp., New York, 1920-22; *Asst. Res. Surg., P. B. B. H., July 15, 1922-July 26, 1923*; Asst. Res. Surg., New Haven Hosp., and Instr. in Surg., Yale, 1923-24; Asst. Res. Surg. (G. U. Surg.) Lakeside Hosp., 1924-25; Demonstr. in G. U. Surg., Western Reserve Univ., Cleveland, Ohio, 1924-25; Instr. in G. U. Surg., *ibid.*, 1925-27; Clin. Instr., G. U. Surg., *ibid.*, 1927-28; Asst. G. U. Surg., Lakeside Hosp., 1926-28; Assoc. G. U. Surg., *ibid.*; Asst. Prof. G. U. Surg., Western Reserve Univ.

JONES, MERRITT LACOUNT

S.B., Univ. of Wis., 1912; M.D., Harv., 1915; *Surg. H. O., P. B. B. H., July 1, 1915-November 1, 1916*; *Asst. Res. Surg., ibid., November 1, 1916-March 1, 1917*; Capt., M. C., U. S. Army, 1917-19; in practice, Wausau, Wis.

JONES, WILFRED GRANT

B.S., College of Wooster, Wooster, Ohio, 1921; M.D., Harv., 1924; *Med. H. O., P. B. B. H., May 15, 1924-March 1, 1925*; Missionary work, Miraj, India; Instr. in Med., Miraj Christian Med. Sch.; Med. Supt., Wanless Tbc. San., Miraj, India.

KANE, JOHN W.

B.S., Univ. of Notre Dame, 1926; M.D., Harv., 1930; *Surg. H. O., P. B. B. H., April 1, 1931-August 1, 1932*; Assoc. Res. Surg. (Neuro-Surg.), 1932-33, Asst. Res. Surg., 1933-34, Res. Surg., 1934-35, Strong Mem. Hosp., Rochester, N. Y.; in practice, Binghamton, N. Y.

KANE, GEORGE D.

A.B., Clark Univ., 1931; M.D., C.M., McGill, 1936; *Vol. Grad. Asst. in Pathol., 1936, Pathol. H. O., P. B. B. H., January 1, 1937-January 1, 1938*.

KAZANJIAN, VARAZTAD H.

D.M.D., Harv., 1905; M.D., *ibid.*, 1921; F.A.C.S., 1928; Mem. Harv. Unit, B. E. F., 1915-16; Surg. Specialist for Wounds of Jaws and Face, B. E. F., 1916-19; C. M. G.; *Dental Surg., P. B. B. H., January 22, 1920-December, 1922*; Prof. of Clin. Oral Surg., Harv.; Visit. Surg., Oral and Plastic Surg., B. C. H.; Surg. for Plastic Operations, Mass. Eye and Ear Infirm.; Consult. Oral Surg., Camb. Hosp.; Mem. of Staff, Consult. Surgeons, Newport Hosp., Newport, R. I.; Consult. Surg., Huntington Mem. Hosp.; Visit. Surg.,

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M. G. H.; Consult. in Oral Surg., Palmer Mem. Hosp.; Member of Staff, N. E. Deaconess Hosp.; Consult. in Oral and Plastic Surg., Symmes Arlington Hosp.; Member, Consult. Staff, Beth Israel Hosp.; in practice, Boston.

KEBABJIAN, HRANT SETRAG

A.B., Anatolia Coll. (Armenia), 1913; M.D., Harv., 1918; Admitting Phys., Babies' Ward, Post Grad. Hosp., New York, 1918; *Surg. H. O., P. B. B. H., November 15, 1918-March 1, 1920*; City Phys., Buffalo, N. Y., 1920-21; Director, Comm. on Hosps. in Cilicia, 1921-22; Asst. Res., Long Island Hosp., Boston Harbor, 1922-26. *Died May 4, 1930.*

KEEGAN, JOHN JAY

A.B., Univ. of Neb., 1912; A.M., *ibid.*, 1914; M.D., *ibid.*, 1915; Instr. in Anat., *ibid.*, 1915-17; *Pathol. H. O., P. B. B. H., June 15, 1917-December 15, 1917*; Lieut., M. C., U. S. Navy, 1917-19; *Surg. H. O., P. B. B. H., August 13, 1919-November 1, 1920*; Asst. Prof. of Pathol., Univ. of Neb., 1920-23; Prof. Clin. Pathol., Director of Clinics, Sec. of the Faculty, *ibid.*, 1923; Neuro-Surg., Univ. Hosp.; Dean, Coll. of Med., Univ. of Nebraska, 1925-29; Chairman, Dept. of Surg., *ibid.*; Prof. Neuro-Surg., *ibid.*; in practice, Omaha, Neb.

KENNEDY, JAMES A.

B.A., Vanderbilt, 1931; M.D., *ibid.*, 1934; *Med. H. O., P. B. B. H., October 15, 1934-March 1, 1936*; Research Fellow in Med., Harv., March 1, 1936-September 1, 1937; Research Physiol. Lab., Cambridge Univ., England, 1937-38; Asst. Visit. Phys., Vanderbilt.

KENNEDY, W. ROLAND

B.Sc., McGill, 1922; M.D., C.M., *ibid.*, 1925; Interne, rotating service, Montreal Gen. Hosp., 1925-26; Pathol. service, *ibid.*, 1926; Sr. in Med., *ibid.*, 1927-28; *Asst. Res. Phys., P. B. B. H., September 1, 1928-July 1, 1929*; Assoc. in Med., Montreal Gen. Hosp.; Demonstr. in Med., McGill Univ.; in practice, Montreal, Canada.

KENT, HAROLD A.

H.D.S., 1919; *Dental Surg., P. B. B. H., 1922-29*; Consult. Dental Surg., *ibid.*, 1929-33; Dental Surg., Forsyth Dental Infirmary; Dental Surg., George F. Baker Clin. and N. E. Deaconess Hosp.; Asst. Prof. Oral Surg., Harv.

KEYSER, LINWOOD DICKENS

B.A., Virginia, 1914; M.D., Johns Hopkins, 1918; F.A.C.S., 1928; H. O., J. H. H., 1918-19; *Asst. Res. Surg., P. B. B. H., July 1-November 1, 1919*; Res. Surg., New York Post Grad. Hosp., New York City, 1920; Fellow, Mayo Foundation, Rochester, Minn., 1920-23; M.S., Mayo Foundation; Univ. of Minn. Grad. Sch. in Med., 1921; Attend. Surg. and Surg. Pathol., Roanoke Hosp., Roanoke, Va.

KEVORKIAN, ALBERT Y.

M.D., Tufts, 1934; Rotating Interne, Newton Hosp., 1934-35; H. O., Free Hosp. for Women, 1935-37; *Acting Asst. Res. Surg., P. B. B. H.*

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KIMBALL, STANLEY

M.D., Harv., 1935; *Med. H. O., P. B. B. H.*, June 15, 1935-March 1, 1937; in practice, Dedham, Mass.

KIMMEL, CHARLES B.

B.A., Northcentral Coll., Naperville, Ill., 1929; M.D., 1932, M.S., 1934, Northwestern; Interne, Evanston Hosp., 1932-33; *Med. H. O.*, October 15, 1935-November 1, 1936, *Jr. Asst. Res. in Roent.*, *P. B. B. H.*, November 1, 1936-July 1, 1937; Member, Medical Staff, Lahey Clinic, Boston.

KING, DONALD STORRS

A.B., Oberlin, 1912; M.D., Harv., 1918; H.O., Orthopedic Serv., Children's Hosp.; First Lieut., M. C., U. S. Army, 1918-19; *Med. H. O., M. G. H.*, 1919-21; *Assoc. in Pathol.*, *P. B. B. H.*, May 24, 1921-May 24, 1922; Fellow in Med., Harv., 1923; Asst. in Med., *ibid.*, 1924-34; Asst. in Med., 1924-26, Asst. Phys., M. G. H.; Visit. Phys., Channing Home; Consult. Phys., Mass. Eye and Ear Infirm.; Instr. in Med., Harv., 1934-36; *Assoc. in Med.*, *ibid.*; Consult. Phys., Middlesex Co. San.; *Assoc. Phys.*, M. G. H.; in practice, Brookline, Mass.

KING, SAMUEL J.

B.S., Juniata Coll., 1928; M.D., Harv., 1934; *Med. H. O., P. B. B. H.*, October 15, 1934-March 1, 1936; Grad. Asst., N. E. Med. Center, 1936; Asst. in Med., Tufts, 1936; Staff, Frisbie Memorial Hosp., Rochester, N. H.; in practice, Farmington, N. H.

KING, WILLIAM ROBERT

B.S., Univ. of Minn., 1913; M.D., Harv., 1917; *Med. H. O., P. B. B. H.*, July 1, 1917-February 1, 1918; *Asst. Res. Phys.*, *ibid.*, February 1-October 24, 1918; in practice, Minneapolis, Minn.

KINNEY, KENNETH K.

M.D., Univ. of Iowa, 1921; Surg. Interne, one year, Seattle Gen. Hosp.; private practice, three years; *H. O., X-Ray Dept.*, *P. B. B. H.*, October 1, 1925-April 1, 1926; *Asst. Res. Roent.*, April 1-October 1, 1926; in practice, Willimantic, Conn.

KINSMAN, JAMES MURRAY

B.A., Mt. Allison Univ., Sackville, N. B., 1918; M.D., C.M., McGill Univ., 1922; Pathol. Interne, Royal Victoria Hosp., 1922-23; Demonstr. in Pathol., McGill Univ., 1922-23; *Med. H. O., P. B. B. H.*, July 1, 1923-November 1, 1924; Asst. Res. Med., New Haven Hosp., New Haven, Conn., 1924-25; Assoc. Prof. of Med., Univ. of Louisville; in practice, Louisville, Ky.

KIRK, ESLEY J.

A.B., Wesleyan Univ., Nebraska, 1922; M.D., Univ. of Nebraska, 1926; M.A., *ibid.*, 1932; H. O., Douglas Co. Hosp., Omaha, Neb., 1926-27; *Asst. Res. Phys.*, *P. B. B. H.*, August, 1927-August, 1928; *Jr. Assoc. in Med.*, *ibid.*, August, 1928-July, 1929; Fellow in Re-

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search, Harv., 1938-39; Asst. Prof. of Int. Med., Univ. of Nebraska Med. Coll.; in practice, Omaha, Neb.

KIRKWOOD, ALLAN STEWART

M.D., Univ. and Bellevue Hosp. Med. Coll., New York, 1913; *Assoc. in Med., P. B. B. H., November 1-December 31, 1917*; Major, M. C., U. S. Army; Visit. Neuro-Psychiatrist, Mountainside Hosp., Montclair, N. J.; Director, Neuro-Psychiatric Clin., *ibid.*; Member, Medical Staff, Montclair Board of Health; in practice, Montclair, N. J.

KLUMPP, THEODORE G.

B.S., Princeton, 1934; M.D., Harv., 1928; *Med. H. O., P. B. B. H., March 1, 1929-July 1, 1930*; Asst. Res. Med., Lakeside Hosp., 1930-32; Instr. in Med., Yale, 1933-36; Assoc. Phys., New Haven Hosp., 1932-36; Asst. Clin. Prof. Int. Med., Yale (on leave of absence with U. S. Food and Drug Administration), 1936-37; Chief Med. Officer, U. S. Food and Drug Administration, 1937-38; Chief, Drug Div., *ibid.*

KNIES, PHILLIP T.

M.D., Ohio State Univ., 1931; Rotating Interne, Walter Reed General Hosp., 1931-32; Jr. Res. Med., Starling-Loving Univ. Hosp., 1932-33; Sr. Res. in Med., *ibid.*, 1933-34; *Asst. Res. Phys., P. B. B. H., 1934*; Instr. in Med., Ohio State Univ.; Asst. Clin. Prof. Med., *ibid.*; in practice, Columbus, Ohio.

KOEFOD, HILMAR OLAF

B.S., Beloit, 1911; M.D., Harv., 1916; Moseley Traveling Fellowship, *ibid.*, in Europe, summer of 1916; *Med. H. O., P. B. B. H., November 1, 1916-November 1, 1917*; First Lieut., M. C., U. S. Army, 1917-18; Chief of Clin. at Mem. Lab. and Clin., Santa Barbara, Calif., 1918-19; Asst. in Med., Med. Sch., Univ. of Calif., and Asst. to Prof. H. C. Moffit in his private work, 1919; Chief of Med. Dept., Santa Barbara Clin. and Chief of Staff, Cottage Hosp., Santa Barbara, Calif.; in practice, Santa Barbara, Calif.

KOHN, LAWRENCE A.

A.B., Williams, 1914; work in Bacteriol. with Doctor Park, New York, 1914-17; work in Bacteriol. with army in France, 1917-19; First Lieut., San. Corps, 1918-19; M.D., Johns Hopkins, 1923; Med. Interne, *ibid.*; *Asst. Res. Phys., P. B. B. H., September 15, 1924-September 1, 1925*; Instr. in Med., Univ. of Rochester; Res. Phys., Strong Mem. Hosp., Rochester, N. Y., 1925-27; Asst. Prof. Med., Univ. of Rochester; Asst. Phys., Strong Mem. Hosp.; in practice, Rochester, N. Y.

KREUTZMANN, HENRY ADOLPH ROBERT

M.D., Univ. Pa., 1916; *Surg. H. O., P. B. B. H., 1917-18*; Lieut., M. C., U. S. Army; Assoc. Chief Urologist, Mt. Zion Hosp.; Chief, Urol. Dept., Franklin Hosp.; Chief Urologist, Chinese Hosp.; in practice, San Francisco, Calif.

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LADD, WILLIAM SARGENT

B.S., Amherst, 1910; M.D., Columbia, 1915; *Med. H. O., P. B. B. H., November 1, 1915-March 1, 1917*; Asst. Phys., Presbyterian Hosp., New York, and Instr. in Med., Columbia, 1918-19; First Lieut., M. C., U. S. Army; Asst. in Med., J. H. H., and Instr. in Med., Johns Hopkins, 1919-21; Instr. in Med., Columbia, 1921-24; Assoc. in Med., *ibid.*; Asst. Phys., Presbyterian Hosp., New York, 1924-31; Assoc. Dean, Cornell Univ. Med. Sch., Asst. Prof. Med., Cornell, 1931-32; Asst. Visit. Phys., Second Div., Bellevue Hosp., 1932-33; Assoc. Dean, Cornell Univ. Med. Sch., 1931-36; Attend. Phys., N. Y. Hosp.; Dean, Cornell Med. Coll., New York City; Prof. of Clin. Med., *ibid.*

LAMSON, PAUL DUDLEY

A.B., Harv., 1905; M.D., *ibid.*, 1911; Med. House Pupil, M. G. H., 1909-10; Lect. Asst. in Pharm., Univ. of Wurzburg, Germany, 1912-13; Sheldon Traveling Fellow, Harv., 1911-13; *Asst. Res. Phys., P. B. B. H., October 1, 1913-October 15, 1914*; Asst. in Exp. Therapeutics, Johns Hopkins, 1914-15; Assoc. in Pharmacology, *ibid.*, 1916-20; Assoc. Prof. Pharmacology, *ibid.*, 1921-25; Prof. Pharmacology, Vanderbilt Univ. Sch. of Med.

LANMAN, THOMAS HINCKLEY

A.B., Harv., 1912; M.D., *ibid.*, 1916; *Assoc. in Urol., P. B. B. H., March 22, 1920-June 26, 1922*; Asst. Prof. Surg., Harv.; Visit. Surg., Children's Hosp.; Visit. Surg., Children's Serv., Cambridge Hosp.; in practice, Boston.

LAWRENCE, JOHN H.

M.D., Harv., 1930; *Surg. H. O., P. B. B. H., April 1, 1930-August 1, 1931*; Asst. Res. and Asst. in Med., Univ. of Rochester Med. Sch., 1931-32; Asst. Res. in Med., New Haven Hosp.; Res. Phys., *ibid.*, 1932-34; Instr. in Med., Yale, 1934-37; Asst. Prof. Med. and Research Assoc., Crocker Lab., Univ. of Calif.

LEGGE, ROBERT F.

M.D., C. M., McGill, 1930; *Surg. H. O., P. B. B. H., January-April, 1931*; Interne, San Francisco Hosp., 1931-32; Asst. Res. Surg., Henry Ford Hosp., 1932-33; Res. Orth. Surg., *ibid.*, 1933-35; Orthopedic H. O., M. G. H., 1935; Orthopedic H. O., Children's Hosp., 1935-36; Asst. Orth. Surg., Univ. Calif.; in practice, Oakland, Calif.

LEHMAN, EDWIN PARTRIDGE

A.B., Williams, 1910; M.D., Harv., 1914; *Surg. H. O., P. B. B. H., July 1, 1914-July 1, 1915*; Asst. Res. Surg., Barnes Hosp., St. Louis, Mo., 1915-16; Asst. in Surg., Washington Univ., 1916-20; First Lieut., M.C., U. S. Army, 1917-19; Res. Surg., Barnes Hosp., St. Louis, 1919-20; Instr. in Surg., Instr., Asst. Prof. and Assoc. Prof. Clin. Surg., Washington Univ., 1920-28; Prof. of Surg. and Gyn. and Director, Surg. Dept., Univ. of Va.

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LEVINE, HAROLD D.

S.B., Harv., 1929; M.D., *ibid.*, 1932; Pathol. Interne, Beth Israel Hosp., 1932-33; *Med. H. O., P. B. B. H.*, 1933-34; *Asst. Res. Phys.*, *ibid.*, July-September, 1934; Research Fellow in Med., Harv., 1934-35; Sec. of Staff, Franklin Hosp., Franklin, N. H.; Member, Courtesy Staff, Margaret Pillsbury Gen. Hosp., Concord, N. H.; in practice, Bristol, N. H.

LEWIS, EDWIN RAY

M.D., Boston Univ., 1901; Asst. Surg., Clinton Hosp., 1907; Asst. Supt., Mass. Homœopathic Hosp., 1909; Act. Supt., *ibid.*, 1916; Supt., Hahnemann Hosp., Rochester, N. Y., 1916; Supt., Flower Hosp., 1919-20; Capt., M. C., U. S. Army, 1918-19; *Second Asst. Supt.*, *P. B. B. H.*, April 11, 1921-October 1, 1923; Supt., Easton Hosp., Easton, Pa., 1923-26; Supt., Burbank Hosp., Fitchburg, 1926-36.

LEWIS, JR., WILLIAM H.

A.B., Harv., 1922; M.D., *ibid.*, 1926; Interne, Allegheny Gen. Hosp., Pittsburgh, Pa., July 1, 1926-July 1, 1927; *Med. H. O., P. B. B. H.*, July 1, 1927-March 1, 1928; Neurol. H. O., B. C. H., 1928; Res. Pathol., Palmer Mem. Hosp., 1928-29; Res. in Pathol., Huntington Mem. Hosp.; Asst. Pathol., Pondville Hosp.; Asst. in Pathol., Harv., 1929-30; Student at Allgemeines Krankenhaus Eppendorf, Hamburg, 1930-31, and Hôpital Lariboisière, Paris, 1931; Hosp. of the Rockefeller Inst., 1932-34; Asst. Attend. Phys., Bellevue Hosp., New York.; Asst. Clin. Prof. Med., New York Univ. Coll. of Med.; in practice, New York City.

LIEB, CLARENCE WILLIAM

A.B., Colorado, 1908; A.M., *ibid.*, 1909; M.D., Harv., 1914; *Pathol. H. O., P. B. B. H.*, April 1-June 6, 1914 (*resigned*); Med. Director, "The Glen Springs," Watkins, N. Y., 1914-17 (*resigned*); in practice, Gastro-enterology, New York.

LIEBMAN, CHARLES

Ph.B., Yale, 1917; M.D., Harv., 1921; X-Ray Dept., Base Hosp., Camp Devens; X-Ray Dept., Mass. Eye and Ear Inf.; X-Ray Dept., New Haven Hosp.; X-Ray *H. O., P. B. B. H.*, June 1, 1921-July 1-1922; Roentgenologist, Children's Hosp., Boston, 1922-26; Asst. Roent., Boston Disp. and Beth Israel Hosp., Boston, 1927-35; Roent., Jewish General Hosp., Montreal.

LIGHT, RICHARD U.

Ph.B., Yale, 1924; M.D., Univ. of Mich., 1928; *Surg. H. O., P. B. B. H.*, July 1, 1929-November 1, 1930; Arthur Tracy Cabot Fellow, Harv.; *Jr. Assoc. in Surg.*, *P. B. B. H.*, January 5, 1931-March 24, 1932; *Asst. Res. Surg.*, *ibid.*, 1932-33; Asst. in Surg., Yale, 1933-34; Instr. in Surg., *ibid.*, 1934-35; Instr. of Surg., Univ. of Rochester, 1935-39; in practice, Kalamazoo, Mich.

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LINDBERG, HOWARD A.

M.D., Northwestern, 1934; Interne, Evanston Hosp., 1934-35; *Asst. Res. Phys.*, *P. B. B. H.*, January 1, 1936-January 1, 1937; Fellow in Med., Northwestern Univ.; Instr. in Med., *ibid.*

LOCKE, JR., CHARLES EDWARD

A.B., M.S., Univ. of Calif., 1916; M.D., *ibid.*, 1919; S.D. (*en Chirurgie*), Univ. of Brussels, 1922; Med. and Surg. H. O., Univ. of Calif. Hosp.; *Asst. Res. Surg.*, *P. B. B. H.*, June 15, 1920-June 1, 1921; Asst. on Visit. Surg. Staff, Doctor Depage's Service, St. Pierre Hosp., Brussels; Asst. Etranger, Prof. Pierre Marie's Serv., Salpêtrière, Paris, 1921-22; Fellow, C.R.B., Educational Foundation, 1921-22; Asst. Dept. of Surg., Univ. of Calif. Med. Sch.; Fellow, National Research Council, 1922-23; Full-time Instr. in Surg., Univ. of Cal.; Staff, Hooper Research Foundation, 1923-24; Neurol. Surg., Cleveland Clinic. *Died, Cleveland Clinic disaster, May 15, 1929.*

LOURIA, HENRY WALTER

A.B., Columbia, 1916; M.D., *ibid.*, 1919; Surg. H. O., Presbyterian Hosp., New York, 1919-20; *Med. H. O.*, *P. B. B. H.*, July 1, 1920-October 1, 1921; Stud., M. I. T., 1921; Med. Interne, J. H. H., 1921-22; Asst. Surg., Brooklyn Jewish Hosp.; Instr. in Surg., Coll. of Phys. and Surg.; Vol. Asst., Surg. Serv. of Prof. H. Von Haberer, Graz, Austria, October, 1927-February, 1928; Assoc. Surg., Brooklyn Jewish Hosp.; Attend Surg., Brooklyn Jewish Hosp.; Assoc. Surg., King's Co. Hosp.; Asst. Prof. Clin. Surg., L. I. Coll. of Med.; in practice, Brooklyn, N. Y.

LUGER, ALFRED

M.D., Univ. of Vienna; Demonstr., Histological Inst., Univ. of Vienna, May, 1909-May, 1911; Klinik Neusser, Vienna, May, 1911-September, 1911; Director, Roentgen. Lab., Klinik Neusser, Vienna, September, 1911-December, 1912; *Roentgenologist*, *P. B. B. H.*, January 1, 1913-June 1, 1914 (granted leave of absence from June 1, 1914-December 14, 1915); Asst. in Roentgenology and Asst. in Med., H. M. S., 1914-15; Army Phys., 1915-18; Asst. Bacteriol. Inst., Prof. Dorr, Vienna, 1918-19; Asst. at II. Med. Clin (Professor Ortner), Vienna, 1919-29; Privatdozent f. Innere Medizin, Univ. of Vienna; Ausserordenlich Univ. Prof., *ibid.*; Director of Fourth Med. Div. in Vienna, Austria; *died July 10, 1938.*

LYLE, EVELINE BURTON

B.A., Mt. Holyoke Coll., 1906; M.D., Tufts Coll. Med. Sch., 1913; *Act. Assoc. in Med.*, *P. B. B. H.*, November 1-December 31, 1917; Visit. Phys. and Obstetrician, N. E. Hosp. for Women and Children; Med. Examiner for Winsor School, Milton Academy Girls' School, Brookline High School for Girls, Boston University School of practical Arts, Penn. Mutual Life Insurance Co., John Hancock Life Ins. Co., United Life and Accident Insurance Co.; in practice, Boston.

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LYNCH, JR., JAMES JOSEPH

B.S., Notre Dame Univ., 1915; M.D., Harv., 1919; H. O., Boston Lying-In Hosp., 1919; *Med. H. O., P. B. B. H., July 1, 1919-July 1, 1920*; H. O., Cambridge City Hosp., 1920-21; Jr. Visit. Obstetrician, St. Elizabeth's Hosp.; Jr. Asst. Surg., Boston Disp. *Died January 9, 1937.*

LYON, DON DEE

S.B., Wash. Univ., 1914; M.D., Harv., 1920; H. O., Huntington Hosp., 1919-20; Interne, Bridgeport Hosp., 1920-21; *Surg. H. O., P. B. B. H., March 1, 1921-July 1, 1922*; Res. Phys., Blodgett Mem. Hosp., Grand Rapids, Mich.; Int. Med., Grand Rapids Clin., 1924-25; in practice, Olympia, Wash.

MACDONALD, DONALD

B.A., Johns Hopkins, 1922; M.D., *ibid.*, 1926; *Jr. Assoc. in Otolaryngology, P. B. B. H., April 24, 1930-June 12, 1936*; Asst. in Laryngology, Harv., 1935-39; in practice, Boston.

MACMILLAN, STUART FORBES

B.S., Union College, Schenectady, N. Y., 1920; M.D., Albany Med. College, 1925; Interne, Albany Hosp., 1925-26; *Pathol. H. O., P. B. B. H., July 1, 1926-July 1, 1927*; Asst. Surg. and Surg. to O. P. D., Ellis Hosp., Schenectady; in practice, Schenectady, N. Y.

MAHONEY, WILLIAM DEGUTIÉRREZ

A.B., Holy Cross, 1925; M.D., Harv., 1929; *Surg. H. O., P. B. B. H., October 1, 1929-February 1, 1931*; *Asst. Res. Surg., ibid., March 15, 1931-April 1, 1932*; *P. B. B. H. Traveling Fellow in Surg. (Neurological Clinic of Prof. Foerster, Breslau), 1932*; Asst. Res. Surg., N. Y. Hosp.; Asst. in Surg., Cornell, 1932-34; Research Asst. in Neurosurg. and Instr. in Physiol, Yale, 1934-1935; Fellow of XV International Physiological Congress, Leningrad, 1935; Rockefeller Fellow in Neurology (Neurologisches Forschungsinstitut, Professors Foerster and Gagel, Breslau; Clinique Chirurgicale A, Prof. Leriche, Strasbourg; Neurologische Kliniek, Prof. Brouwer, Amsterdam; Acting House Surgeon and House Physician, National Hospital Queen Square; Clinical Assistant to Dr. C. P. Symonds, Guy's Hospital, London), 1935-1938; Member, Deutsche Gesellschaft für innere Medizin, 1937; Assistant Professor of Neurology, Vanderbilt and Associate Neurologist, Vanderbilt University Hospital.

MALLORY, TRACY BURR

M.D., Harv., 1921; *Med. H. O., P. B. B. H., 1922-23*; Instr. in Bacteriol., Harv., 1924-26; Assoc. in Pathol., *ibid.*; Asst. Prof., *ibid.*; Pathologist, M. G. H., Boston, Mass.

MANN, ALBERT HOWELL

M.D., Tulane Univ., 1926; *Med. H. O., P. B. B. H., July 1, 1926-November 1, 1927*; in practice, Texarkana, Ark.

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MARINUS, CARLETON J.

B.Sc., Syracuse, 1915; M.Sc., *ibid.*, 1917; M.D., Univ. of Mich., 1921; *Med. H. O., P. B. B. H., November 1, 1921-March 1, 1923*; in practice, Detroit, Mich.

MARKHAM, BLACKWELL

A.B., Univ. of N. C., 1917; M.A., *ibid.*, 1918; M.D., Harv., 1922; *Surg. H. O., P. B. B. H., July 1, 1922-November 1, 1923*; Res Surg., Fifth Ave. Hosp., 1923-24; Assoc. Attend. Surg., Watts Hosp.; Instr. in Surg., Duke Univ.; in practice, Durham, N. C.

MARLOW, SEARLE BISSET

A.B., Harv., 1912; Stud., Harv., one year; M.D., Syracuse, 1916; *Pathol. H. O., P. B. B. H., July 1, 1916-June 11, 1917*; Capt., M. C., U. S. Army, 1918-19; House Surg., Herman Knapp Hosp., New York, 1920-21; Asst. Prof. of Ophthal., Syracuse Univ.; Ophthalmologist, Syracuse Free Disp., St. Joseph's Hosp., and Syracuse Mem. Hosp.; in practice, Syracuse, N. Y.

MARQUIS, FRED M.

B.A., Univ. of Iowa, 1927; M.D., *ibid.*, 1931; *Pathol. H. O., P. B. B. H., July 1, 1931-January 1, 1932*; H. O., Truesdale Hosp., Fall River, January-March, 1932; H. O., Presbyterian Hosp., Chicago, April, 1932-September, 1933; in practice, Waterloo, Iowa.

MARQUIS, HAROLD

A.B., Univ. of Calif., 1930; M.D., *ibid.*, 1934; Interne and Asst. Res. San Francisco Hosp., 1933-35; *Asst. Res. Phys., P. B. B. H., August 1, 1935-August 1, 1937*; in practice, San Francisco, Calif.

MARTIN, PAUL

S.B., Brussels, 1911; M.D., *ibid.*, 1920; Med. Interne, Hosp. St. Pierre, Brussels, 1919-20; Surg. Interne, New Haven Hosp., 1920-21; *Assoc. in Surg., P. B. B. H., September 1, 1921-March 1, 1922*; *Asst. Res. Surg., ibid., March 1-November 1, 1922*; Asst. in Surg., Brussels Univ. Hosp.; Arthur Tracy Cabot Fellow, Harv., 1929-30; *Assoc. in Surg., P. B. B. H., January-April, 1930*; in practice, Brussels, Belgium.

MARVIN, FRANK WILLIAM

A.B., Harv., 1910; M.D., *ibid.*, 1914; House Pupil, M. G. H., 1914-15; *Surg. H. O., P. B. B. H., November 1, 1915-March 1, 1916*; Visit. Anesthetist, B. C. H., Newton Hosp., Boston Psychopathic Hosp., Boston Lying-In Hosp., Carney Hosp., Boston Dispensary; Head, Dept. of Anesthesia, Tufts Med. Sch.; in practice, Boston.

MARVIN, HAROLD MYERS

A.B., Davidson Coll., 1914; M.D., Harv., 1918; *Med. H. O., P. B. B. H., February 13, 1918-February 9, 1919*; Dist. Phys. with Near East Relief, Alexandropol, Armenia, 1919-20; Asst. in Med., Harv.; Asst. in Med., M. G. H., 1920-21; Instr. in Med., Yale, 1921-23; Asst. Prof. of Med., *ibid.*, 1923-28; Fellow, John Simon Guggenheim Memo-

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rial Foundation, 1926-27 (in laboratory of Sir Thomas Lewis, Univ. Coll. Hosp. Med. School, London); Asst. Clin. Prof. Med., Yale, 1928-33; Assoc. Clin. Prof. Med., *ibid.*; in practice, New Haven, Conn.

MASON, B. HENRY

M.D., Bowdoin, 1907; Gen. Internship, Maine Gen. Hosp., 1907-08; Asst. Phys., State Asylum, Worcester, August, 1908-November, 1913; in practice, Portland, Me., 1913-14; Asst. Phys., Worcester State Hosp., February, 1914-May, 1914; Asst. Supt., *ibid.*, May, 1914-June 18, 1918; Act. Supt., *ibid.*, June 18, 1918-April 1, 1921; Neuro-Psychiatrist, Advisory Board A and B, Worcester, Mass., during draft; Asst. Director, Psychopathic Hosp., Ann Arbor, Mich., April, 1921-January, 1923; Neuro-Psychiatrist, U. S. V. B.; Instr. in Psychiatry, Univ. of Mich. Med. School, 1921-23; *First Asst. Supt., P. B. B. H., January 8, 1923-December 1, 1927*; Pres., Conn. Hosp. Assoc., 1929-31; Supt., Waterbury Hosp., Waterbury, Conn.

MASSEE, JOSEPH C.

B.S., John B. Stetson Univ., 1922; M.D., Harv., 1925; *Med. H. O., P. B. B. H., November 1, 1925-March 1, 1927*; Res. Phys., Federal Prison, Atlanta, 1927-28; Instr. in Med., Emory Univ.; Attend. Phys., Grady Hosp.; Assoc. Visit. Phys., Emory Univ. Hosp. and Georgia Baptist Hosp.; in practice, Atlanta, Ga.

MAUPIN, JR., JAMES L.

A.B., Univ. of Calif., 1921; M.D., Stanford, 1926; Interne, Lane and Stanford Hosp., 1925-27; in practice, Fresno, Calif., 1927-28; Member, Fresno Co. Gen. Hosp. Staff, 1927-28; *Asst. Res. Surg., P. B. B. H., September 1, 1928-March 1, 1929*; Surg. Staff, Fresno Gen. Hosp.

MCCANN, WILLIAM SHARP

A.B., Ohio State Univ., 1911; M.D., Cornell, 1915; D.Sc. (Hon.) Ohio State Univ., 1934; Asst. Res. Phys., Gen. Mem. Hosp., New York, 1915; *Surg. H. O., P. B. B. H., November 1, 1915-November 1, 1916 (resigned)*; Arthur Tracy Cabot Fellow in charge of Lab. of Surg. Research, Harv.; Capt., M. C., U. S. Army; Instr. in Med., Cornell; Research Fellow, Russell Sage Inst. of Pathol.; Adjunct. Visit. Phys., Bellevue Hosp., New York; Consult. Phys., N. Y. State Reconstruction Hosp.; Assoc. Phys., J. H. H., Baltimore, Md.; Assoc. in Med., Johns Hopkins; Assoc. Prof. Med., *ibid.*; Dewey Prof. of Med., Univ. of Rochester, Rochester, N. Y.

MCCARTHY, PATRICK THOMAS

B.S., Univ. of Chicago, 1914; M.D., Rush Med. Coll., 1917; *Surg. H. O., P. B. B. H., December 15, 1917-October 1, 1918*; *Asst. Res. Surg., ibid., October 1, 1918-February 9, 1919*; Relief Comm., Near East, Armenia, 1919-20; Post Grad. Study in Europe, 1920; Surg., Western Montana Clin., Missoula; in practice, Missoula, Mont.

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MCCARTY, ELBA DENTON

M.D., Univ. of Mich., 1903; Interne, two years, St. Mary's Hosp., Saginaw, E. S., Mich.; Gen. Practice, Merrill, Mich., 1905-09; Priest River, Idaho, 1909-17; *Roentgenologist, P. B. B. H., July 1, 1918-October 14, 1919*; Roentgenologist, Swedish Hosp., Seattle, Wash.; Assoc., Tumor Inst., *ibid*; in practice, Tacoma, Wash.

MCCLURE, CHARLES WALTER

A.B., Ohio State Univ., 1906; M.D., Starling Med. Coll., Ohio, 1910; Med. H. O., St. Francis Hosp., Columbus, Ohio, 1910-11; Asst. in Clin. Med., Starling Med. Coll., 1911-12; Asst. in Med., Univ. of Iowa Med. Sch., 1912-15; Grad. Stud. in Med., Harv., 1915-16; *Asst. Res. Phys., P. B. B. H., July 1-November 1, 1916*; Alumni Asst. in Med., Harv.; *Res. Phys., P. B. B. H., June 7-July 6, 1917*; Phys.-in-Chief, St. Luke's Hosp., South Bethlehem, Pa., 1917-18; Capt., M. C., U. S. Army, 1918; *Assoc. in Med., P. B. B. H., February 13, 1919-September 1, 1921*; Visit. Phys., Mass. Memorial Hosps., Gastroenterologist, O. P. D., *ibid.*, Member of Sr. Staff in charge of the Div. of Gastro-Intestinal Research, Evans Memorial for Med. Research, Asst. Prof. of Med., Boston Univ. Sch. of Med., 1921-32; Gastroenterologist to V. Med. Serv. and O. P. D. Gastroscopist and Jr. Visit. Phys., Boston City Hosp.; in practice, Boston.

MCEACHERN, THOMAS H.

B.A., Univ. of Mich., 1925; M.D., *ibid.*, 1927; *Med. H. O., P. B. B. H., March 1, 1928-July 1, 1929*; Pediatric H. O., N. Y. Nursery and Child's Hosp., 1929-30; Asst. Res. and Res. Pediatrician, *ibid.*, 1930-31; Asst. in Pediatrics, Cornell Univ., 1931-33; Asst. Attend. Pediatrician, N. Y. Hosp., 1931-33; in practice (pediatrics), Ann Arbor, Mich.

MCCRATH, ROBERT

B.S., Northwestern, 1924; M.D., *ibid.*, 1928; Interne, St. Luke's Hosp., Chicago; *Jr. Assoc. in Med., P. B. B. H., September 15, 1929-May 1, 1930*; *Asst. Res. Phys., ibid., May 1, 1930-September 1, 1930*; Asst. Clin Prof. Med., Columbia; in practice, New York City.

McKEAN, RICHARD M.

A.B., Univ. of Mich., 1916; M.D., *ibid.*, 1919; *Med. H. O., P. B. B. H., December 15, 1919-March 1, 1921*; H. O., Infants' Hosp., Boston, 1921; Prof. Clin. Med., Wayne Univ.; Attend. Phys. and Director of Metabolic Unit, Detroit Receiving Hosp.; Jr. Phys., Harper Hosp.; Consult. in Metab., Herman Kiefer Hosp.; in practice, Detroit, Mich.

McKENZIE, KENNETH G.

M.B., Toronto; M.D., *ibid.*, 1914; Interne, Toronto Gen. Hosp., 1914; Capt., Imp. Army M. C., 1914-19; Instr. in Anat., Univ. of Toronto, 1919 (on leave of absence to work with Doctor Cushing under the Mickle Fellowship of Toronto Univ.); *Asst. Res. Surg.*,

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P. B. B. H., November 1, 1922-November 1, 1923; Surg. Staff, Toronto Gen. Hosp.; Senior Surg., *ibid.*; Assoc. in Surg., Univ. of Toronto.

MCLEAN, ARTHUR JOHN

A.B., Reed Coll., Portland, Ore., 1921; M.D., Johns Hopkins, 1925; *Surg. H. O.*, *P. B. B. H.*, July 1, 1925-November 1, 1926; *Assoc. in Surg.*, *ibid.*, January 10-September 23, 1927; Arthur Tracy Cabot Fellow, Harv., 1926-27; *Asst. Res. Surg.*, *P. B. B. H.*, September, 1927-June, 1929; *Act. Res. Surg.*, *ibid.*, June-September, 1929; George Gorham Peters Traveling Fellow, 1929-30; *Res. Surg.*, *P. B. B. H.*, October 1, 1930-June 1, 1931; Clin. Assoc. in Surg., Univ. of Oregon Med. Sch.; *Asst. Prof. Pathol.*, *ibid.*; in practice, Portland, Ore. Died December 7, 1938.

MCLESTER, JAMES BOWRON

A.B., Univ. of Ala., 1926; M.D., Harv., 1930; *Med. H. O.*, *P. B. B. H.*, March 1, 1931-March 1, 1932; *Asst. Res. Phys.*, N. Y. Hosp., 1932-33; *Attend. Phys.*, Hillman Hosp., Birmingham, Ala.; *Assoc. Clin. Prof. Med.*, Univ. of Ala.; in practice, Birmingham, Ala.

MCQUESTEN, PHILIP

A.B., Dart., 1911; M.D., Harv., 1915; *Stud.*, B. C. H. (Pathol. Lab.), 1915-16; *Surg. H. O.*, *P. B. B. H.*, March 1, 1916-July 1, 1917; *Asst. Res. Surg.*, *ibid.*, July 1-August 17, 1917; in practice, Nashua, N. H.

MEAGHER, RICHARD

Ph.B., Yale, 1921; M.D., Cornell, 1927; *Pathol. H. O.*, *P. B. B. H.*, September 1, 1927-January 1, 1928; *Surg. H. O.*, *ibid.*, April 1, 1928-August 1, 1929; *Asst. Res. Surg.*, *ibid.*, August 1, 1929-May 1, 1930; *Jr. Assoc. in Surg.*, *ibid.*, May-October, 1930; *Asst. Res. Surg.*, *ibid.*, October 1, 1930-June 1, 1931; Arthur Tracy Cabot Fellow in Surg., Harv., 1930; *Res. Surg.*, *P. B. B. H.*, June 1, 1931-September 1, 1932. Died May 27, 1936.

MENARD, OLIVER J.

B.S., Colgate, 1922; M.D., Jefferson Med. Coll., 1926; *Interne*, Rochester General Hosp., July 1, 1926-July 1, 1927; *Asst. Clin. Phys.*, Rome State School, July 1, 1927-October 15, 1927; *Med. H. O.*, *P. B. B. H.*, November 1, 1927-March 1, 1929; *Asst. Res. in Med.*, Long Island Hosp., November-July, 1929; *Fellow in Med.*, 1929-30; *Asst. Phys.*, 1930-32, *Physician*, Lahey Clinic, Boston, 1932-33; *Asst. Attend. Phys.*, *Instr. in Med.*, and *Diagnostician*, Springfield Gen. Hosp.; in practice, Springfield, Mass.

MIDDLETON, RICHARD

M.D., Harv., 1927; Rotating Internship, Philadelphia; *Res. Surg.*, Memorial Hosp., Worcester; *Asst. Res. Surg.*, *P. B. B. H.*, September 15, 1930-July 15, 1931; in practice, Salt Lake City, Utah.

MIDELFART, CHRISTIAN FREDRIK

A.B., Yale; M.D., Johns Hopkins, 1931; *Med. H. O.*, *P. B. B. H.*, 1932-33; *H. O.*, N. Y. Lying-In Hosp., 1933-34; *Res. in Med.*, Wis-

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consin Gen. Hosp., 1934-35; Res. in Neurol., B. C. H., 1935-36; Asst. Prof. of Med., Univ. of Wisconsin, Madison, Wis.

MIDELFART, PETER A. H.

A.B., Yale, 1927; M.D., Harv., 1931; *Med. H. O., P. B. B. H.*, 1931-32; *Surg. H. O., ibid.*, 1932-33; Dept. of Pathol., Cornell, 1933-34; Asst. Res. in Orthopedics, 1934-35; Asst. Res. in Surg., 1935-36, and Res. in Surg., Wisconsin General Hosp., Madison, Wis., 1936-37; Asst. Laege in Surg., Ullevaal Sykehus, Oslo, Norway.

MILLER, JR., JOSEPH L.

B.S., Univ. Chicago, 1931; M.D., *ibid.*, 1935; *Med. H. O., P. B. B. H.*, June 15, 1935-March 1, 1937; in practice, Chicago, Ill.

MILLET, JOHN ALFRED PARSONS

A.B., Harv., 1910; M.D., *ibid.*, 1914; *Med. H. O., P. B. B. H.*, November 1, 1914-March 1, 1916; Internist, New York State Inst. for the Study of Malignant Disease, Buffalo, 1916-19; Capt., M. C., U. S. Army, 1917-19; Asst. Attend. Phys., Buffalo Gen. Hosp.; Assoc. in Med., Buffalo Univ. Med. Sch., and Asst. to the Chiefs of Med. Div., Dept. of Hospitals and Dispensaries, Buffalo, N. Y., 1916-23; Phys., Austen Riggs Foundation, Stockbridge, Mass., 1923-30; Instr. in Psychiatry, Columbia, 1931-33; Asst. Attend. Psychiatrist (Children) Vanderbilt Clin., 1930-32; Fellow in Psychiatry, Cornell, 1933-36; Consult. Psychiatrist and Med. Director, "Silver Hill, Inc.," New Canaan, Conn., 1931-37; Asst. Attend. Phys., Presbyterian Hosp.; Assoc. in Med., Columbia; Consult. Phys., Tratelja Farms, Inc.; in practice (Psychiatry), N. Y.

MILLIKEN, SAMUEL GIBBS

M.D., Univ. of Texas, 1922; Sr. Instr. in Pathol., Univ. of Texas, 1922; *Surg. H. O., P. B. B. H.*, March 1, 1924-February 1, 1925; Asst. Prof. of Path., Univ. of Texas; Visit. Phys., Methodist Hosp. and Memorial Hosp., Houston, Texas; in practice, Houston, Texas.

MONTGOMERY, JAMES BLAINE

A.B., Dart., 1911; M.D., Harv., 1915; *Surg. H. O., P. B. B. H.*, November 1, 1915-March 1, 1917; House Surg., Mass. Eye and Ear Infirm., 1917; Grad., Army Med. Sch., 1917; First Lieut., M. C., U. S. Army; Major, Med. Corps., U. S. Army, Washington, D. C. Died October 14, 1928.

MOORE, RICHMOND LAWRENCE

A.B., Univ. of Va., 1918; M.D., Harv., 1922; *Surg. H. O., P. B. B. H.*, November 1, 1922-March 1, 1924; Asst. Res. Surg., *ibid.*, July 1, 1924-July 1, 1925; Asst. Res. Phys., Hosp. of the Rockefeller Inst., New York, July 1, 1925-August, 1927; Fellow in Surg., Presbyterian Hosp., 1928-32; Asst. Attend. Surg., *ibid.*; Instr. in Surg., Columbia Univ., 1928-37; Assoc. in Surg., *ibid.*; Assoc. Visit. Surg., N. Y. City Hosp.; in practice, New York City.

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MORRIS, LAIRD M.

M.D., Univ. of Calif., 1916; *Asst. Res. Phys., P. B. B. H., April 15, 1920-October 1, 1920*; Asst. in Med., Univ. of Calif. Med. Sch., 1921-22; Instr. in Med., *ibid.*, 1923; Instr. in Med., Stanford Med. School; in practice, San Francisco, Calif.

MORRIS, JR., SAMUEL LESLIE

B.S., Davidson (N. C.), 1911; M.D., Harv., 1916; *Surg. H. O., P. B. B. H., November 1, 1916-November 1, 1917*; First Lieut., M. C., U. S. Army; First Asst. House Surg., St. Louis Southwestern Hosp., 1919; Chief House Surg., *ibid.*; in practice, Atlanta, Ga.

MORTON, JOHN JAMIESON

A.B., Amherst, 1907; M.D., Johns Hopkins, 1913; *Surg. H. O., P. B. B. H., March 1, 1913-July 1, 1914*; Fellow in Pathol., Rockefeller Inst., New York City, 1914-15; House Surgeon, M. G. H., 1915-16; Asst. Res. Phys., Rockefeller Inst. Hosp., New York, 1916-17; Major, M. C., U. S. Army, 1917-19; practice, Orthopedic Surg., Boston, Mass.; Grad. Asst., O. P. D., Children's Hosp., Boston, and Asst. Orthopedic Surg., *ibid.*, 1919-21; Asst. Prof. Surg., Yale, 1921-24; Prof. Surg., Rochester Univ. Sch. of Med. and Dentistry, Rochester, N. Y.

MUNCE, RICHARD THOMAS

B.A., Univ. Maine, 1931; M.D., Harv., 1935; *Surg. H. O., P. B. B. H., February 15, 1936-July 1, 1937*; Res. in Surg., Truesdale Hosp., Fall River, Mass.

MUNTER, EDGAR J.

M.D., Univ. of Calif., 1926; Interne, Med. and Surg., Univ. Hosp., San Francisco, 1925-26; Asst. Res. in Med., *ibid.*, 1926-27; *Asst. Res. Phys., P. B. B. H., 1927-28*; Asst. in Med., Univ. of Calif. Med. Sch., 1928-31; Instr. in Med., *ibid.*, 1931-36; Adjunct in Med., Mt. Zion Hosp., San Francisco; Asst. Clin. Prof. Med., Univ. Calif.; in practice, San Francisco, Calif.

MYERS, DANIEL WILBUR

A.B., Univ. Mich., 1929; M.D., *ibid.*, 1932; *Med. H. O., P. B. B. H., 1933-34*; Research Fellow in Med., Harv., 1934-35; Asst. Resident Phys., Barnes Hospital, St. Louis, 1935-36; Resident Phys., *ibid.*, 1936-37.

MYERS, GORDON

A.B., Univ. of Mich., 1924; M.D., *ibid.*, 1927; Interne, Asst. Res. in Med., and Res., Receiving Hosp., Detroit, 1927-30; *Asst. Res. Phys., P. B. B. H., August 1, 1930-July 1, 1932*; Prof. of Med., Wayne Univ.; Attend. Phys. and Director of Med., Receiving Hosp., Detroit, Mich.

MYHRE, WILLIAM N.

M.D., St. Louis Univ., 1931; Interne, St. Luke's Hosp., Spokane, Wash., 1931-32; *Med. H. O., P. B. B. H., February 15, 1934-July 1,*

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1935; *H. O., Roent., ibid., July 1, 1935-July 1, 1936; Asst. Res. in Roent., ibid., July 1, 1936-July 1, 1937; in practice, Spokane, Wash.*

NELLANS, CHARLES T.

B.S., Univ. of Chicago, 1916; M.D., Rush Med. Coll., 1918; Mem. Res. Staff, Presbyterian Hosp., Chicago, 1918-19; *Med. H. O., P. B. B. H., September 15, 1919-November 1, 1920; Asst. in Med., Yale, 1921; Instr. in Med., ibid., and Res. Phys., New Haven Hosp., 1921-22; Instr. in Med., Emory Univ., and Asst. Visit. Phys., Wesley Mem. and Grady Hospitals, Atlanta, Ga.; in practice, Atlanta, Ga.*

NICHOL, ARTHUR D.

M.D., Ohio State Univ., 1926; Interne, St. Luke's Hosp., Cleveland, 1926-28; *Asst. Res. Phys., P. B. B. H., August, 1928-August, 1929; Demonstr. in Med., Western Reserve Univ., 1929; Assoc. in Med., St. Luke's Hosp., Cleveland, Ohio; Asst. Visitant, Med. Dept., ibid.; Asst. Visit. Phys., O. P. D., Lakeside Hosp., 1931-32; Visitant in Med., St. Luke's Hosp., Cleveland; in practice, Cleveland, Ohio.*

NICHOLS, ALVORD G.

A.B., Colgate, 1916; M.D., Harv., 1921; Interne, Worcester City Hosp., 1921-23; Act. Asst. Supt., *ibid.; Second Asst. Supt., P. B. B. H., September 17, 1923-June 1, 1924; Asst. Med. Director, John Hancock Life Insurance Co., Boston. Died May 18, 1926.*

NICHOLS, 3D, ANDREW

A.B., Harv., 1912; M.D., *ibid.*, 1916; Surg. H. O., B. C. H., 1916-17; Capt., M. C., U. S. Army, 1917-19; *Second Asst. Supt., P. B. B. H., July 1, 1919-February 1, 1921; in practice, Danvers, Mass.*

NORFLEET, JR., WILLIAM J.

D.M.D., Harv., 1931; *Dental Interne, P. B. B. H., August 1, 1931-June 13, 1932; in practice, Suffolk, Va.*

NOTII, PAUL HENRY

B.S., Univ. of Minn., 1928; M.D., *ibid.*, 1931; M.S., *ibid.*, 1938; Rotating Interne, Ancker Hosp., St. Paul, 1931-32; *Med. H. O., P. B. B. H., November 1, 1932-March 1, 1934; Asst. in Med., Boston Disp., March-September, 1934; Fellow in Med., Mayo Foundation, 1934-37; First Asst. in Med., Mayo Clin., Rochester, Minn., 1937-38; Asst. Prof. of Med., Wayne Univ.; Assoc. in Med., Receiving Hosp., Detroit, Mich.*

NOVY, ROBERT L.

A.B., Univ. Mich., 1913; M.S., *ibid.*, 1914; M.D., *ibid.*, 1919; *Med. H. O., P. B. B. H., April 15, 1919-April 1, 1920; Prof. Clin. Med., Wayne Univ., Detroit; Consult. Int. Med., Herman Kiefer Hosp., Detroit; Attend. Phys., Detroit Receiving Hosp.; Assoc. Phys., Harper Hosp., Detroit; in practice, Detroit, Mich.*

O'CONOR, VINCENT JOHN

B.S., Univ. of Mich., 1915; M.D., Rush Med. Coll., 1917; *Surg. H. O., P. B. B. H., January 1, 1917-January 1, 1918; House Surgeon,*

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Presbyterian Hosp., Chicago, Ill., 1918; First Lieut., M. C., U. S. Army, 1918-19; *Asst. Res. Surg., P. B. B. H., February 15, 1919-July 15, 1920*; Urol. Surg., Washington Boulevard Hosp.; Assoc. Prof., G. U. Surg., Univ. of Ill., Sch. of Med.; Urol. Surg., Garfield Park Hosp.; Urol., Chicago Mem. Hosp.; in practice, Chicago, Ill.

OLDBERG, ERIC

B.S., Northwestern, 1923; M.S., *ibid.*, 1926; M.D., *ibid.*, 1927; Ph.D., *ibid.*, 1928; Asst. in Chemistry, *ibid.*, 1922-23; Asst. in Physiol. and Pharmacol., *ibid.*, 1925-27; Instr. in Physiol., *ibid.*, 1927-28; Elizabeth J. Ward Fellow in Physiol., *ibid.*, 1927; *Surg. H. O., P. B. B. H., January 1, 1928-April, 1929*; *Asst. Res. Surg., P. B. B. H., April 1, 1929-October 1, 1930*; *George Gorham Peters Traveling Fellow in Berlin and Oxford, 1930-31*; Asst. Prof. of Surg., in charge of Neuro-Surgery, Univ. of Illinois, Chicago, Ill., 1931-34; Associate Prof. of Surg. and Acting Head Dept. of Surg., *ibid.*, 1934-36; Prof. and Head Dept. of Neur. and Neuro-Surgery, 1936; Attend. Neuro-Surg., Illinois Research and Educational Hospitals and St. Luke's Hosp., Chicago; Consult. Neuro. Surg., Illinois Central Hosp., Augustana Hosp., St. Joseph's Hosp., U. S. Marine Hosp. and Mt. Sinai Hosp., Chicago.

O'MEARA, JOHN WILLIAM

A.B., Holy Cross, 1912; M.D., Harv., 1918; *Surg. H. O., P. B. B. H., January 7, 1918-January 7, 1919*; Orthopedic H. O., Children's Hosp., Boston, 1919; Comm. for Relief in Near East, in charge of Surg. Wards, American Hosp., Samsoun, Turkey-in-Asia, 1919-20; Orthopedic Surg., St. Vincent's Hosp., Worcester; Sr. Orth. Surg., Worcester City Hosp.; in practice, Worcester, Mass.

OPPENHEIMER, ELLA

A.B., Bryn Mawr, 1914; M.D., Johns Hopkins, 1918; *Med. H. O., P. B. B. H., September 1, 1918-June 11, 1919*; Phys. in Charge, Baby Summer Hosp. Camp Washington, D. C., 1920; Examining Phys. (Girls), Juvenile Court, Washington, D. C., 1920-21; Asst. Visit. Phys., Children's Hosp.; Phys., National Training School for Girls; Research Asst., Federal Children's Bureau; Assoc. Pediatricist, Providence Hosp., Washington, D. C.; Director, Div. of Child Hygiene, Children's Bureau, U. S. Dept. of Labor, 1922-24; Specialist in Child Hygiene, U. S. Children's Bureau, 1930-36; Director, Bureau of Maternal and Child Welfare, Health Dept., Washington, D. C.; Residence, Bethesda, Md.

ORMOND, ALEXANDER T.

A.B., Princeton, 1912; M.D., Johns Hopkins, 1919; *Surg. H. O., P. B. B. H., November 1, 1919-March 1, 1921. Died May 8, 1930.*

ORMOND, JR., ALFRED CURTIS

A.B., Davidson, 1922; M.D., Harv., 1927; *Surg. H. O., P. B. B. H., October 1, 1927-February 1, 1929*; Surg. Res., Peck Mem. Hosp., Brooklyn, N. Y., 1929-30; Chief Res., Williamsport Hosp., 1930-31; in practice, Zanesville, Ohio.

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ORR, JR., LOUIS M.

B.S., Emory Coll., 1922; M.D., Atlanta Med. Coll., 1924; Jr. Interne, Grady Hosp., Atlanta, Ga., 1923-24; *Surg. H. O., P. B. B. H., July 1, 1924-November 1, 1925*; Asst. Res. Surg., Lakeside Hosp., Cleveland; in practice, Orlando, Fla.

OSGOOD, RUDOLF

S.B., Harv., 1924; M.D., Univ. of Chicago, 1929; *Pathol. H. O., P. B. B. H., July 1, 1929-July 1, 1930*; Res. Pathol., Children's Hosp., Boston, 1930-31; *Res. Pathol., P. B. B. H., 1931-32*; Res. Pathol., B. L. I., 1932-33; Instr. in Pathol., Tufts Med. Coll., 1933-36; Sr. Phys. (Pathologist), Monson State Hosp.

OUGHTERSON, ASHLEY W.

M.D., Harv., 1924; M.S., Yale, 1929; *Pathol. H. O., P. B. B. H., January 1, 1924-January 1, 1925*; Surg. H. O., New York Hosp., January 1, 1925-January 1, 1927; Res. Surg., First Surg. Div., Bellevue Hosp., New York, January 1, 1927-July 1, 1927; *Asst. Res. Surg., P. B. B. H., 1927-28*; William Harvey Cushing Fellow in Surg., Yale Univ., 1928-29; Asst. Prof. of Surg., *ibid.*, 1929-34; Assoc. Prof. Surg., *ibid.*; Assoc. Surg., New Haven Hosp. and New Haven Disp.

PARKER, JR., FREDERICK

A.B., Harv., 1913; M.D., *ibid.*, 1916; *Med. H. O., P. B. B. H., March-April, 1917*; Asst. Pathol., B. C. H., 1923-32; Asst. Prof. of Pathol., Harv., 1928-34; Assoc. Prof. of Pathol., *ibid.*; Pathol., Boston City Hosp.

PARKINS, LEROY EDWARD

A.B., Simpson Coll., 1912; M.D., Harv., 1918; Asst. Res., Boston Consumptives' Hosp.; Asst. Res., So. Dept., B. C. H.; *Surg. H. O., P. B. B. H., December 1, 1918-March 1, 1920*; private practice, Douglas, Wyo.; *Second Asst. Supt., P. B. B. H., January-May, 1921*; *First Asst. Supt., ibid., May 1, 1921-February 1, 1923*; in practice, Boston.

PARSONS, ROBERT J.

A.B., Syracuse, 1928; M.D., *ibid.*, 1931; *Med. H. O., P. B. B. H., June 15, 1931-October 30, 1932*; Research Fellow in Med., Harv., November 1, 1932-July 31, 1933; Pathol. Interne, N. Y. Hosp., 1933-34; Res. in Pathol., N. Y. Hosp., 1934-35; Asst. in Pathol., Cornell, 1933-35; Asst. in Dept. of Pathol. and Bacteriology, Rockefeller Inst. for Med. Research, New York City, 1935-38; Instr., Dept. Pathol., Univ. of Mich.

PATTERSON, HOWARD A.

M.D., Harv., 1925; Interne, Roosevelt Hosp., N. Y., 1925-27; House Gynecologist, *ibid.*, 1927-28; *Asst. Res. Surg., P. B. B. H., February-September, 1928*; Assoc. Surg., Roosevelt Hosp., N. Y.

PATTERSON, JR., ROBERT LEE

B.A., Univ. of Ga., 1928; M.D., Harv., 1932; *Surg. H. O., P. B. B. H., July 1, 1932-November 1, 1933*; Orth. Serv., Children's Hosp., 1933-

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34; Orth. Serv., M. G. H., 1934-35; Res., Fracture Serv., Presbyterian Hosp., N. Y., 1935-36; Asst., Ruptured and Crippled Hosp.; in practice (Orthopedic Surgery), New York.

PEABODY, FRANCIS WELD

A.B., Harv., 1903; M.D., *ibid.*, 1907; House Pupil, M. G. H., 1907-08; Asst. Res. Phys., J. H. H., 1908-09; Fellow in Pathol., Johns Hopkins, 1909-10; Stud. of Chem., Univ. of Berlin, Germany, 1910; Asst. Res. Phys., Hosp. of Rockefeller Inst., 1911-12; Asst., Rockefeller Inst., 1911-12; *Res. Phys., P. B. B. H., November 1, 1912-September 1, 1915 (granted leave of absence March 1, 1914-January 1, 1915, to serve as a member of the China Medical Commission of the Rockefeller Foundation)*; *Asst. Visit. Phys., P. B. B. H., September 1-December 9, 1915*; Alumni Asst. in Med., Harv., 1913-15; Asst. Prof. of Med., *ibid.*, 1915-19; Consult. Phys., Collis P. Huntington Mem. Hosp., Boston; *Phys., P. B. B. H., December 9, 1915-September, 1921 (leave of absence August 1, 1917-February 1, 1918, to serve as a member of the American Red Cross Comm. to Roumania)*; Major, M. C., U. S. Army, 1918-19; Assoc. Prof. of Med., Harv., 1920-21; Prof. of Med., *ibid.*; Visit. Phys., B. C. H.; Director, Thorndike Lab., *ibid.*; Member, China Medical Board, Rockefeller Foundation; Member, Board of Scientific Directors, Rockefeller Inst.; *Consult. Phys., P. B. B. H., 1921-27. Died October 13, 1927.*

PECK, EUGENE CURTIS

A.B., Harv., 1916; M.D., *ibid.*, 1919; M. P. H., *ibid.*, 1933; *Med. H. O., P. B. B. H., 1919-20*; Instr. in Physiol. Chem., Tulane Univ., New Orleans, La.; Asst. in Pediatrics, Harv.; Prof. Bio-chemistry and Physiol., St. John's Univ., Shanghai, China, 1922-25; H. O., Children's Med. Serv., M. G. H., 1925-26; Pediatrician, Lawrence and Mem. Assoc. Hosp., New London, Conn., 1927-31; Asst. Epidemiologist, Conn. State Dept. Health, 1931-32; Deputy State Health Officer, Oakland, Garrett Co., Maryland; Deputy State Health Officer, Leonardtown, St. Mary's Co., Md.

PENFIELD, WILDER GRAVES

Litt.B., Princeton, 1913; B.A., Oxford, 1916; M.A. and B.Sc., 1920; D.Sc., Oxon, 1935; M.D., Johns Hopkins, 1918; *Surg. H. O., P. B. B. H., August 15 1918-September 20, 1919*; Beit Mem. Research Fellow, England; Assoc. Attend. Surg., Presbyterian Hosp., New York; Asst. Prof. of Surg., Columbia Univ.; Asst. Surg., Neurol. Inst., Columbia Univ.; Asst. Surg., Neurol. Inst. of New York; Attend. Neurol., Vanderbilt Clin.; Prof. Neurology and Neuro-Surgery, McGill Univ.; Surg. in Charge Neurol. Surg., Royal Victoria Hosp.; Consult. Neurol. Surg., Montreal Gen. Hosp., Children's Memorial Hosp. and Jewish Gen. Hosp.; Director, Montreal Neurol. Inst.; in practice, Montreal.

PETERSON, RICHARD L.

M.D., Harv., 1934; Interne in Pathol., Huntington Mem. Hosp., 1934; *Surg. H. O., P. B. B. H., February 15, 1935-July 1, 1936*; Asst.

PETER BENT BRIGHAM HOSPITAL

Res., Memorial Hosp., N. Y. July 1, 1936-January 1, 1937; in practice, Coeur d'Alene, Idaho, 1937-38; H. O., B. L. I., 1938; in practice, Glasgow, Mont.

PETTIT, ROSWELL TALMADGE

S.B., Univ. of Chicago, 1908; M.D., Rush Med. Coll., 1913; *Med. H. O., P. B. B. H., March 1, 1914-July 1, 1915*; Capt., M. C., U. S. Army; Med. Director, Ottawa Tbc. San., 1919-26; Board of Directors, National Tuberculosis Assoc., 1922-29; Director, Ill. Valley Hosp., 1926-32; Chairman, Radiological Section, Ill. State Med. Soc.; in practice, Ottawa, Ill.

PICKWICK, ERSKINE R.

M.D., Tufts, 1924; Interne, Newton Hosp., 1924-25; Asst. Surg., Hood Rubber Co. (Hosp.), Watertown, Mass., 1925-27; Asst. Res. (Exec.) Worcester City Hosp., 1927-29; *H. O. Roent., P. B. B. H., July 1, 1929-July 1, 1930*; *Asst. Res. in Roent., ibid., July 1, 1930-July 1, 1931*; Asst. Visit. Roent., Pondville Hosp., 1932; Asst. Visit. Roent., Burbank Hosp., Fitchburg, Leominster Hosp., Leominster; in practice (Roentgenology), Fitchburg, Mass.

PILCHER, COBB

M.D., Vanderbilt Univ., 1927; *Surg. H. O., P. B. B. H., July 1, 1927-November 1, 1928*; Asst. Res. Phys., Vanderbilt Univ. Hosp., Nashville, Tenn., 1928-29; Asst. Res. Surg., *ibid.*, July, 1929-January, 1931; Res. Surg., *ibid.*, 1931-32; Instr. in Surg., *ibid.* (on leave of absence); Special Student, Dept. of Neuro-Surg., Univ. of Chicago, February-May, 1932; Fellow in Neuro-Surg., Washington Univ. School of Med., St. Louis, Mo., 1932-33; Asst. Prof. Surg., Vanderbilt Univ.

PINKERTON, HENRY

S.B., M. I. T., 1918; M.D., Harv., 1924; *Pathol. H. O., P. B. B. H., July 1, 1924-July 1, 1925*; Res. Pathol., Children's Hosp., Boston, July, 1925-July, 1926; *Res. Pathol., P. B. B. H., September 1, 1926-September 1, 1927*; Instr. in Pathol., Harv., 1925-30; Faculty Instr. in Pathol., *ibid.*, 1930-35; Assoc. in Pathol., *ibid.*, 1935-36; Asst. Prof. Pathol., *ibid.*, 1936-38; Prof. of Pathol., St. Louis Univ. Sch. of Med.

POKORNY, NORMAN A.

A.B., Marquette Univ., 1925; M.D., Johns Hopkins, 1929; *Med. H. O., P. B. B. H., March 1, 1930-July 1, 1931*; Babies' Hosp., New York City, 1931-32; Med. Res., Infants' and Children's Hosp., 1932-33; in practice, Springfield, Mass.

POTTER, WILLIAM HENRY

A.B., Harv., 1878; D.M.D., *ibid.*, 1885; A.M., Hon., *ibid.*, 1927; Demonstr. in Operative Dentistry, Harv., 1887-88; Clin. Lecturer, *ibid.*, 1890-96; Lecturer, *ibid.*, 1896-1900; Asst. Prof., *ibid.*, 1900-04; Prof., Operative Dentistry, *ibid.*, 1907-27; Prof. Emeritus, *ibid.*, 1927; Dental Surgeon, "Ambulance American Hospital" at Neuilly, France, 1914-15; First Lieut., Major, and Lieut. Col., Dental Corps, U. S. A., 1917-19, A. E. F.; Member, U. S. A. Base Hosp. No. 5,

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A. E. F.; Instr., Dental Dept., U. S. A. Sanitary School, Langres, 1918-19; *Consulting Dental Surg., P. B. B. H. Died July 27, 1928.*

POTTS, JR., WILLIAM HENRY

A.B., Univ. of Texas, 1922; M.D., Harv., 1926; *Med. H. O., P. B. B. H., March 1, 1926-July 1, 1927*; Asst. Clin. Med., Baylor Univ., 1927-29; Instr. Clin. Med., *ibid.*; in practice, Dallas, Texas.

POWERS, JOHN HOWARD

A.B., Bates, 1919; B.A., Oxon, 1923; M.D., Harv., 1925; Surg. H. O., Lakeside Hosp., Cleveland, Ohio, 1925-26; *Asst. Res. Surg., P. B. B. H., October 15, 1926-September 15, 1927*; Arthur Tracy Cabot Fellow in charge of Lab. of Surg. Research, Harv.; *Assoc. in Surg., P. B. B. H., September, 1927-October, 1928*; *Res. Surg., ibid., October 15, 1928-July 1, 1930*; Assoc. Surg., Mary Imogene Basset Hosp., Cooperstown, N. Y.

PRICE, JAMES VALENTINE

A.B., Univ. of N. C., 1915; M.D., Johns Hopkins, 1919; *Surg. H. O., P. B. B. H., October 15, 1919-March 1, 1921*; Guggenheim Bros., La Paz, Bolivia, S. A.

PURKS, WILLIAM K.

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PUTNAM, LAWRENCE E.

A.B., Harv., 1930; M.D., *ibid.*, 1934; H. O., House of Good Samaritan, October 1, 1934-January 1, 1935; *Med. H. O., P. B. B. H., February 15, 1935-July 1, 1936*; H. O., Surg. Serv., Beth Israel Hosp., Boston, 1936-38.

PUTNAM, TRACY JACKSON

A.B., Harv., 1915; M.D., *ibid.*, 1920; Asst. Res. Pathol., J. H. H., 1920-21; *Asst. Res. Surg., P. B. B. H., November 1, 1923-October 1, 1924*; Moseley Traveling Fellow, Harv., 1925; Arthur Tracy Cabot Fellow, *ibid.*, 1925-26; *Assoc. in Surg., P. B. B. H., 1925-28*; Instr. in Neuropathol., Harv.; Asst. Prof. Neurol. Surg., *ibid.*; Asst. Visit. Phys. in Neurol and Asst. Visit. Surg. for Neuro-Surg., B. C. H.; Asst. Visit. Surg., Neuro-Surg., M. G. H., 1932-34; Visit. Neurologist, and Chief, Neurol. Unit, B. C. H.; Prof. of Neurol., Harv.

QUINLAND, WILLIAM SAMUEL

B.S., M.D., Rosenwald Fellow in Pathol., Harv., September 1919-April, 1921; *Asst. in Pathol., P. B. B. H., April 14, 1921-July 28, 1922*; Pathol., G. W. Hubbard Hospital, and Prof. of Pathol., Meharry Med. Coll., Nashville, Tenn.

RAGSDALE, LUNEY VARNON

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15, 1924-March 1, 1926; Clin. Instr. in Med., Univ. of Alabama; Asst. Clin. Prof. Med., *ibid.*, 1931; Asst. Director, M. G. H., 1931-39; Supt., Butterworth Hosp., Grand Rapids, Mich.

RAND, CARL WHEELER

A.B., Williams, 1908; A.M., *ibid.*, 1909; M.D., Johns Hopkins, 1912; Res. H. O., J. H. H., 1912-13; *Asst. Res. Surg.*, *P. B. B. H.*, October 1, 1913-November 1, 1914; House Surg., Mercy Hosp., Chicago, Ill., 1914-15; Lieut., M. C., U. S. Army; Clin. Prof. Surg., (Neurological) Univ. of Calif.; in practice, Los Angeles, Calif.

RAPPORT, DAVID

A.B., Harv., 1912; M.D., *ibid.*, 1916; Moseley Traveling Fellow, Harv., 1916-17; *Med. H. O.*, *P. B. B. H.*, March 1-June 17, 1917; Lieut., M. C., U. S. Army, 1917-19; Austin Teaching Fellow in Physiol., Harv., 1919-20; Instr. in Physiol., *ibid.*, 1920-21; Research Fellow in Physiology, Cornell Univ. Med. Coll., 1921-24; Sr. Instr. in Physiol., Western Reserve Univ. Med. Sch., 1924-26; Asst. Prof. Physiol., *ibid.*, 1926-29; Prof. Physiology, Tufts Med. School, Boston.

RAWLINGS, J. MOTT

B.S., Princeton, 1921; M.D., Johns Hopkins, 1925; Interne, *ibid.*, 1925-26; Instr. in Pathol., *ibid.*, 1926-27; H. O. Med. Serv., Baltimore City Hosp., 1927-28; *Pathol. H. O.*, *P. B. B. H.*, July 1, 1928-July 1, 1929; Staff, Hotel Dieu, Southwestern Gen. Hosp., Masonic Hosp., City-County Hosp.; in practice, El Paso, Texas.

RAY, BRONSON SANDS

B.S., Franklin College, 1924; M.D., Northwestern, 1928; Interne, Passavant Memorial Hospital, Chicago, Ill., and Wesley Memorial Hosp., Chicago, Ill., 1928-29; *Surg. H. O.*, *P. B. B. H.*, January 1, 1930-May 1, 1931; *Asst. Res. Surg.*, *ibid.*, June 1, 1931-September 1, 1932; Asst. Res. Surg., N. Y. Hosp., 1932-35; Res. in Surg., *ibid.*, 1935-36; Assoc. in Surg., Cornell; Asst. Prof. Surg., *ibid.*

READ, JAMES S.

B.A., Vanderbilt Univ., 1921; M.D., *ibid.*, 1924; Interne, Louisville City Hosp., 1924-26; *Asst. Res. Phys.*, *P. B. B. H.*, July 1, 1926-July 1, 1927; in practice, Nashville, Tenn.

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B.S., Oregon State Coll., 1925; M.D., Washington Univ., 1936; *Pathol. H. O.*, *P. B. B. H.*, July 1, 1936-July 1, 1937; Res. Pathol., C. H.

REIFENSTEIN, BENEDICT W.

B.S., Syracuse, 1920; M.D., *ibid.*, 1922; Pathol. H. O., Hosp. of the Good Shepherd, Syracuse, N. Y.; *Pathol. H. O.*, *P. B. B. H.*, July 1, 1922-July 1, 1923; Med. H. O., New Haven Hosp., 1923-24; Asst. Phys., Syracuse Univ. Hosp. of the Good Shepherd; Inst. in Med., Syracuse Univ. College of Med.; in practice, Syracuse, N. Y.

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RENNIE, THOMAS A. C.

B.S., Univ. of Pittsburgh, 1924; M.D., Harv., 1928; *Med. H. O., P. B. B. H., November 1, 1928-March 1, 1930;* Med. Res., Simpson Mem. Hosp., 1930; Psych. H. O., 1931, Asst. Res., 1932, Res. Psych., 1933-35, and Assoc. in Psychiatry, Henry Phipps Psych. Clin., Johns Hopkins Hosp., Baltimore, Md.

REYNOLDS, LAWRENCE

A.B., Univ. of Ala., 1912; M.D., Johns Hopkins, 1916; Capt., M. C., U. S. Army, 1917-19; *Roentgenologist, P. B. B. H., October 15, 1919-June 1, 1922;* Roentgenologist, Children's Hosp., Boston, 1922; Roentgenologist, Harper Hosp., Children's Hosp. and Marine Hosp., Detroit; Editor, *Am. Jour. of Roent.*; in practice, Detroit, Mich.

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B.S., Univ. of Texas, 1901; M.D., Johns Hopkins, 1905; F.R.C.P.; H. O. in Pathol., B. C. H., 1906-07; Second Asst. in Pathol., *ibid.*, 1907; First Asst. in Pathol., *ibid.*, 1907-08; Asst. Visit. Pathol., *ibid.*, 1908-09; Asst. in Pathol., Harv., 1908-09; Instr. in Pathol., *ibid.*, 1909-10; Asst. Pathol., B. C. H., 1909-10; Director of Pathol. Lab. and Pathol., Montreal Gen. Hosp., 1910-12; Lect. in Pathol., McGill Univ., 1910-11; Asst. Prof. of Pathol., *ibid.*, 1911-12; *Res. Pathol., P. B. B. H., July 1, 1912-October 1, 1913;* Asst. Prof. of Pathol., Harv., 1912-13; Prof. of Pathol., McGill Univ.; Major, Canadian Army Med. Corps; Pathol., Children's Memorial Hosp., Montreal; Pathol., Babies' and Foundlings' Hosp., Montreal; Director, Pathol. Lab., Montreal Div. of Shriner's Hosp; Director of Pathol. Lab., Montreal General Hosp.; Consult. Pathol., Montreal Children's Hosp.

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RICHARDSON, HENRY BARBER

A.B., Harv., 1910; M.D., *ibid.*, 1914; *Med. H. O., P. B. B. H., March 1, 1915-July 1, 1916;* Asst. in Med., Johns Hopkins; Asst. Disp. Phys., J. H. H.; First Lieut., M. C., U. S. Army, 1918-19; Instr. in Med., Columbia Univ., New York, and Asst. Adjunct Visit. Phys., Bellevue Hosp., New York, 1921; Instr. in Med., Cornell, and Research Fellow, Russell-Sage Inst. of Pathol., Bellevue Hosp., New York City, 1923; Visit. Phys., Bellevue Hosp., 1928; Assoc. Prof. of Med., Cornell Univ. Med. Coll., New York City; Attend. Phys., New York Hosp.

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RICHTER, ARTHUR B.

A.B., Indiana, 1925; M.D., *ibid.*, 1931; Rotating Interne, Indiana Univ. Hosp., 1931-32; *Med. H. O., P. B. B. H., November 1, 1932-March 1, 1934*; Pathol. H. O., Cleveland City Hosp., 1934; *Asst. Res. Phys., P. B. B. H., 1934-35*; in practice, Flora, Ind.

RIDDLE, MATTHEW C.

B.A., Reed College, 1917; M.A., Univ. of Oregon, 1922; M.D., Harv., 1926; Huntington Mem. Hosp., March-June, 1926; *Med. H. O., P. B. B. H., November 1, 1926-March 1, 1928*; Res. Interne and Jr. Research Asst., Simpson Mem. Inst. for Med. Research; Fellow in Med., National Research Council; Clin. Instr. in Med., Univ. of Oregon Med. Sch., 1930-32; Research Asst., Simpson Mem. Inst. for Med. Research, 1936-37; Clin. Assoc. in Med., Univ. of Oregon Med. Sch.; Asst. Prof. Clin. Med., *ibid.*; Medical Advisor, Reed College; in practice, Portland, Ore.

RINGER, MICHAEL

B.S., Coll. of City of New York, 1915; M.D., Cornell, 1919; Instr. in Exper. Med., Yale., 1919-21; Instr. in Physiol., Cornell, 1921-23; *Med. H. O., P. B. B. H., November 1, 1923-January 1, 1925*; Assoc. Phys., Montefiore Hosp., New York; in practice, New York City.

RIOCH, DAVID M.

B.A., Butler Coll., Indianapolis, 1920; M.D., Johns Hopkins, 1924; *Surg. H. O., P. B. B. H., November 1, 1924-March 1, 1926*; *Asst. Res. Surg., ibid., March-April, 1926*; Asst. Med. Res., Strong Mem. Hosp., Rochester, N. Y., April 1, 1926-July 1, 1927; Instr. in Med., Univ. of Rochester Sch. of Med., July 1, 1927-September 15, 1928; Nat. Research Council Med. Fellow, September 15, 1928-September 15, 1930; Assoc. in Physiol., Johns Hopkins Med. Sch., 1930-31; Asst. Prof. Anat., Harv.

ROBERTS, CHARLES PURCELL

A.B., Emory, 1931; M.D., *ibid.*, 1935; *Med. H. O., P. B. B. H., October 15, 1935-July 1, 1937*; Res. in Cardiology, R. I. Hosp., Prov., R. I., 1937-38; Res. Phys., Pratt Diag. Hosp.

ROBERTSON, HAROLD F.

M.B., B.Sc. (Med.); Research Fellow in Surg., Brigham Unit. Lab., 1932; *Asst. Res. Surg., P. B. B. H., 1933-34*; in practice, Toronto, Canada.

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A.B., Univ. Calif., 1931; M.D., Harv., 1935; *Med. H. O., P. B. B. H., February 15, 1936-November 1, 1937*; Asst. Phys., Huntington Mem. Hosp.

ROONEY, JAMES STEWART

Univ. of Calif., 1917-21; M.D., Harv., 1926; *Pathol. H. O., P. B. B. H., January 1-October 1, 1926*; Res. Pathol., Long Island Hosp., October 1, 1926-June 1, 1927; Res. Phys., *ibid.*, 1927-28; Instr. in

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Pathol., Harv.; Pathol., Charles Choate Mem. Hosp., Woburn, Faulkner Hosp., Boston, Industrial Accident Board, Commonwealth of Mass., Lynn Hosp., Lynn, Malden Hosp., Malden, Women's Hosp., Boston, Ducey Hosp. and Moore Hosp., Brockton, Norwood Hosp., Norwood, Peterborough Hosp., Peterborough, N. H., Symmes Arlington Hosp., Arlington, Weymouth Hosp., Weymouth, Whidden Mem. Hosp., Everett, Community Mem. Hosp., Ayer, Winchester Hosp., Winchester, and Winthrop Comm. Hosp., Winthrop.

ROOT, HOWARD FRANK

A.B., Harv., 1913; M.D., *ibid.*, 1919; *Med. H. O.*, *P. B. B. H.*, 1919-20; Clin. Lab., J. H. H., 1920; *Assoc. in Med.*, *P. B. B. H.*, 1922-30; Phys., N. E. Deaconess Hosp.; in practice, Boston, Mass.

ROSS, J. PATERSON

M.B., M.S., London; F.R.C.S., England; St. Bartholomew's Hosp., England; *Jr. Assoc. in Surg.*, *P. B. B. H.*, April 9, 1923-September 14, 1923.

RUBLEE, C. D.

M.D., Univ. of Vt., 1922; in practice, 1922-28; *Roent. H. O.*, *P. B. B. H.*, November 1, 1928-February 1, 1929; in practice, Newport, Vt.

RUTLEDGE, D. I.

M.D., Univ. Nebraska, 1934; *Pathol. H. O.*, *P. B. B. H.*, 1934-35; Rotating Interne, U. S. Marine Hosp., New Orleans, La., 1935-36; Fellow in Med., Mayo Clin., 1937-38; First Asst. in Med., *ibid.*

SAEGER, ERNEST TIRRILL

B.S., Dart., 1914; M.D., Harv., 1917; *Surg. H. O.*, *P. B. B. H.*, July 1, 1917-August 1, 1918; Res., First Surg. Div., Bellevue Hosp., New York.

SAGEBIEL, JAMES LAMBERT

B.S., Denison Univ., 1924; M.D., Harv., 1927; *Surg. H. O.*, *P. B. B. H.*, October 1, 1927-February 1, 1929; H. O., B. L. I., March-September, 1929; Sr. in Neuro-Psychiatry and Jr. in Neuro-Surg., Miami Valley Hosp.; Sr. in Neuro-Psychiatry and Jr. in Neuro-Surg., Good Samaritan Hosp.; Senior in Neuro-Psychiatry, St. Elizabeth's Hosp.; Consult. in Neuro-Psychiatry, Kettering Inst. for Med. Research, Miami Valley Hosp.; in practice (Neuro-Psychiatry), Dayton, Ohio.

SALLEY, S. MARION

B.S., Emory Univ., Atlanta, 1924; M.D., *ibid.*, 1928; Interne, Grady Hosp., July 1, 1928-July 1, 1929; *Asst. Res. Phys.*, *P. B. B. H.*, 1929-31; in practice, Miami, Fla.

SANDMEYER, JOHN A.

M.D., Harv., 1937; *Surg. H. O.*, *P. B. B. H.*

SCARFF, JOHN E.

B.S., Princeton, 1920; M.D., Johns Hopkins, 1924; experimental lab. work, *ibid.*, 1924-25; H. O., *ibid.*, 1925-27; *Surg. H. O.*, *P. B. B. H.*,

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March 1, 1927-July 1, 1928; Asst. Res. Surg., ibid., July 1, 1928-July 1, 1930; Res. Surg., ibid., July 1, 1930-October 1, 1930; Asst. Prof. Neuro-Surg., Columbia Univ. Coll. Phys. and Surg.; Assoc. Attend. Neuro-Surg., Neurol. Inst., N. Y.; in practice (Neuro-Surgery), N. Y.

SCHIRO, HAROLD S.

A.B., Bowdoin, 1929; M.D., Johns Hopkins, 1933; *Med. H. O., P. B. B. H., June 15, 1933-November 1, 1934; Fellow in Med., Harv., 1934-35; Asst. Res. in Med., Duke Univ. Hosp., 1935-36; Asst. Res. Phys., Cincinnati Gen. Hosp., 1936-37; Res. Phys., ibid.*

SCHLESINGER, MONROE J.

B.S., Coll. City of New York, 1912; Ph.D., Harv., 1920; M.D., *ibid.*, 1926; Asst., N. Y. H. D. Research Lab., 1912-14; Asst. Bacteriol., West Penn. Hosp., Pittsburgh, 1914-17; Asst. in Preventive Med. and Hygiene, *ibid.*, 1917-20; Instr., *ibid.*, 1920-22; Asst. in Pathol., *ibid.*, 1922-23; Research Asst. in Pathol., *ibid.*, 1923-25; *H. O., Pathol., P. B. B. H., July 1, 1925-July 1, 1926; Res. Pathol., Children's Hosp., Boston, 1926-27; Assoc. in Pathol., Harv.; Pathol., Beth Israel Hosp., Boston.*

SCHMITZ, HENRY L.

B.S., Univ. of Chicago, 1920; M.S., Univ. of Wis., 1922; Ph.D., Univ. of Wis., 1924; M.D., Harv., 1926; *Med. H. O., Huntington Mem. Hosp., Boston, July, 1926-December, 1926; Med. H. O., P. B. B. H., March 1, 1927-July 1, 1928; Lasker Fellow and Instr., Dept. of Med., Univ. of Chicago, 1928-30; Asst. Prof. of Med., ibid., 1931-34; Assoc. Clin. Prof. Med., Loyola Univ. School of Medicine; in practice, Chicago, Ill.*

SCHNECK, ROBERT J.

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SCHOLEFIELD, BERNARD GRAHAM

B.A., Oxford, 1921; M.A., B.M., B.Ch., *ibid.*, 1923; M.D., Oxford, 1927; F.R.C.S., England, 1928; M.Ch., Oxon, 1931; Stud., St. Peter's College, Westminster, London, 1912-17; Second Lieut., Royal Engineers, 1917-19; Student, Guy's Hosp., London, 1922-23; House Surgeon, *ibid.*, 1924-25; Commonwealth Fund Fellow, Johns Hopkins Univ., 1925-26; *Asst. Res. Surg., P. B. B. H., August 1, 1926-July 10, 1927; Surg. Registrar, Guy's Hosp., London, England, 1928-32; Honorary Surg., Herefordshire Gen. Hosp.*

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A.B., Oberlin, 1914; M.D., Johns Hopkins, 1918; A.M., Columbia Univ., 1922; First Lieut., M. C., U. S. Army, 1918-19; Asst. in Surg., Henry Ford Hosp., Detroit, Mich., 1918-21; Fellow in Exper. Pathol., Montefiore Hosp., 1921-22; Arthur Tracy Cabot Fellow, Harv., 1922-23; Asst. in Surg., *ibid.*, 1923; *Assoc. in Surg., P. B. B. H., September 1, 1922-July 1, 1923*; *Asst. Res. Surg., ibid., July 1, 1923-July 1, 1924*; Res. Surg., Lakeside Hosp., and Instr. in Surg., Western Reserve Univ., Cleveland, Ohio, 1924-26; Asst. Surg., Strong Mem. and Rochester Municipal Hosp., 1926-27; Assoc. Surg., *ibid.*; Asst. Prof. Surg., Univ. of Rochester, Rochester, N. Y., 1926-27; Assoc. Prof. Surg., *ibid.*

SEELY, HALL

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SHAMBAUGH, JR., GEORGE E.

A.B., Amherst, 1924; M.D., Harv., 1928; *Med. H. O., P. B. B. H., November 1, 1928-March 1, 1930*; Interne, Mass. Eye and Ear Infirmary, 1930-32; Res. in Otolaryngology, Presbyterian Hosp., Chicago, 1932-33; Staff, Presbyterian Hosp., Chicago; Consult. Staff, Municipal Contagious Disease Hosp.; Instr., Dept. Otolaryngology, Rush Med. Coll., 1933-37; Asst. Clin. Prof., Dept. Otolaryngology, *ibid.*; in practice (Otolaryngology) Chicago, Ill.

SHAMBAUGH, PHILIP

A.B., Amherst, 1926; M.D., Harv., 1930; *Med. H. O., P. B. B. H., November 1, 1930-March 1, 1932 Surg. H. O., P. B. B. H., April 1, 1932-August 1, 1933*; Arthur Tracy Cabot Fellow, Harv., 1933-34; *Jr. Assoc. in Surg., P. B. B. H., September 1, 1933-July 1, 1934*; *Asst. Res. Surg., ibid., July 1, 1934-November 1, 1935*; *Harvey Cushing Fellow, ibid., November 1, 1935-July 1, 1936*; Res. Surg., Presbyterian Hosp., Chicago, 1936-37; Clin. Asst. in Surg., Northwestern Univ. Med. Sch.; in practice, Chicago.

SHELBURNE, SAMUEL A.

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SHILLITO, FREDERICK H.

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SIMON, HILDA AMANDA

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SIMPSON, SUTHERLAND E. R.

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A.B., Colgate, 1906; Stud. of Med., Freiburg, Germany (summer semester), 1910; Stud., Univ. of Munchen (winter semester), 1910-11; Stud., Univ. of Heidelberg (summer semester), 1911; M.D., Johns Hopkins, 1912; House Pupil, M. G. H., Children's Med. Ward, 1912-13; *Med. H. O., P. B. B. H., March 1, 1913-March 1, 1914*; *Res. Pathol., ibid., March 1, 1914-April, 1915*; Instr. in Pathol., Harv., 1914-15; H. O., B. C. H., So. Dept., summer of 1915; Sr. H. O., Boston Floating Hosp., 1915; Instr. in Pediatrics, Johns Hopkins, 1916; Instr. in Pediatrics, Harv.; Consult. Pediatricist, Boston Lying-In Hosp.; in practice, Boston.

SMILLIE, WILSON GEORGE

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M.D., Jefferson, 1917; H. O., Jewish Hosp., Philadelphia, Pa., 1917-18; First Lieut., M. C., U. S. Army, 1918-19; Asst., X-Ray Dept., Lincoln and Beth Israel Hosp., New York City, 1920; *H. O., X-Ray Dept., P. B. B. H., April 15, 1920-April 21, 1921*; Assoc. Roent., City Hosp., Buffalo; Instr. in Radiology, Univ. Buffalo Med. Sch.; Roent., Marine Hosp., Buffalo; in practice, Buffalo, N. Y.

SMITH, JUDSON ARTHUR

A.B., Harv., 1915; M.D., *ibid.*, 1918; *Med. H. O., P. B. B. H., February 14, 1918-January 30, 1919*; Surg. Serv., New Haven Hosp.; *Asst. Res. Surg., P. B. B. H., June 15, 1921-July 1, 1922*; H. O., Boston Lying-In Hosp., 1922-23; Res. Obstetrician, *ibid.*, 1923-24; Asst. Visit. Obstetrician, *ibid.*; in practice, Boston.

SMITH, W. CARTER

B.S., Emory Univ., 1924; M.D., *ibid.*, 1926; Interne, Grady Hosp., Atlanta, Ga., 1926-27; Asst. Res. Phys., Vanderbilt Univ. Hosp., 1927-28; *Jr. Assoc. in Med., P. B. B. H., September 1, 1928-September 1, 1929*; Res. Phys., Grady Hosp. (Emory Univ.), 1929-30; in practice, Atlanta, Ga.

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SMITH-PETERSEN, MARIUS NYGAARD

B.S., Univ. of Wis., 1910; Univ. of Wis. Med. Sch., 1910-12; M.D., Harv., 1914; *Surg. H. O., P. B. B. H., July 1, 1914-November 1, 1915*; Res. Surg., Harv. Unit, Am. Ambulance Hosp., Paris, France, April-July, 1918; House Pupil, M. G. H. (Orthopedic Serv.), 1916; Visit. Orthopedic Surg., M. G. H.; Chief, Orthopedic Serv., M. G. H.; Clin. Prof. Orth. Surg., Harv.; in practice, Boston.

SNODGRASS, SAMUEL R.

B.S., Indiana Univ., 1927; M.D., *ibid.*, 1929; Interne, Indianapolis City Hosp., 1929-30; Asst. Res. Pathol., Indiana Univ. Hospitals, 1930-31; Interne, Lakeside Hosp., 1931-32; *Asst. Res. Surg., P. B. B. H., November 1, 1932-March 1, 1934*; *Harvey Cushing Fellow, P. B. B. H., March-August, 1934*; Fellow in Neuro-Surg., Washington Univ., 1934-36; Grant for study from Div. of Medical Sciences, Rockefeller Foundation, 1937; Neuro-Surg., John Sealy Hosp.; Asst. Prof. Neuro-Surg., Univ. of Texas, Galveston, Texas.

SOOY, DANIEL WARREN

M.D., Univ. of Calif., 1917; *Asst. Res. Surg., P. B. B. H., September 1, 1921-July 1, 1922*; Instr. in Surg., Univ. of Calif. Med. Sch.; in practice, San Francisco, Calif.

SPIES, THOMAS D.

M.D., Harv., 1927; *Pathol. H. O., P. B. B. H., January 1, 1928-January 1, 1929*; First Asst. in Pathol., B. C. H., 1929-30; Interne, Lakeside Hosp., 1930-31; Teach. Fellow in Med., Western Reserve Univ., 1931-33; Instr. in Med., *ibid.*, 1931-33; Sr. Instr. in Med., *ibid.*, 1933-34; Asst. Prof. Med., Univ. of Cincinnati, 1934-35; Assoc. Prof. of Med., *ibid.*

SPILLMAN, RAMSAY

A.B., Cornell, 1914; M.D., *ibid.*, 1917; *Surg. H. O., P. B. B. H., July 1, 1917-March 1, 1918*; Columbia Hosp., Washington, D. C., 1918-19; Assoc. Roentgenologist, Hosp. for Ruptured and Crippled; Consult. Roentgenologist, Beekman St. Hosp. and New York Infirmary for Women and Children; in practice (Roentgenology) New York City.

SPURLING, ROY G.

A.B., Univ. of Mo., 1920; A.M., *ibid.*, 1923; M.D., Harv., 1923; *Surg. H. O., P. B. B. H., November 1, 1923-March 1, 1925*; *Asst. Res. Surg., ibid., March 1-September 1, 1925*; Res. Surg., Louisville City Hosp., Louisville, Ky.; Instr. in Surg., Univ. of Louisville Sch. of Med.; Assoc. Prof. Surg., *ibid.*

STATER, WAYNE J.

A.B., Univ. of Oregon, 1917; M.D., Harv., 1921; *Surg. H. O., P. B. B. H., March 1, 1922-July 1, 1923*; in practice, Los Angeles, Calif.

STEAD, JR., EUGENE A.

B.S., Emory, 1928; M.D., *ibid.*, 1932; *Med. H. O., P. B. B. H., June 15, 1932-November 1, 1933*; Research Fellow in Med., Harv., 1933-34;

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Surg. H. O., P. B. B. H., June 15, 1934-November 1, 1935; Asst. Res. in Med., Cincinnati Gen. Hosp., 1935-36; Res., ibid., 1936-37; Instr. in Med., Univ. of Cincinnati, 1936-37; Res., Thorndike Memorial Lab., B. C. H.; Research Fellow in Med., Harv., 1937; Asst. in Med., ibid.

STECHEER, ROBERT M.

B.S., Dart., 1919; M.D., Harv., 1923; *Med. H. O., P. B. B. H., November 1, 1924-November 1, 1925; Research Asst. in Med., Cleveland City Hosp.; Asst. Visit. Phys. in General Med. and Phys. in Med. in the O. P. D., Cleveland City Hosp.; Desert San. of So. Arizona, Tucson, Ariz. (on leave October 1, 1931-May 1, 1932, for Clin. Research); Visit. Phys. in Gen. Med., and Sr. Clin. Instr., Dept. of Med., Western Reserve Univ. Med. School; in practice, Cleveland, Ohio.*

STEEL, SELWYN

M.D., Yale, 1930; Grad. Asst. in Med., M. G. H., 1930-31; *Med. H. O., P. B. B. H., February 15, 1931-July 1, 1932; Asst. in Med., Boston Disp.; Instr. in Med., Tufts; Jr. Visit. Phys., B. C. H.; Cardiac Clin., ibid.; Cardiac Consult., Lawrence Gen. Hosp., Lawrence, Mass.; in practice, Boston, Mass.*

STELLAR, ROBERT W.

B.S., Occidental Coll., Calif., 1919; Univ. of Calif., two years; M.D., Harv., 1923; *Surg. H. O., P. B. B. H., November 1, 1923-March 1, 1925; in practice (traumatic surgery), Wilmington, Calif.*

STEVENS, FRANKLIN AUGUSTUS

B.S., Univ. of Iowa, 1913; M.D., *ibid.*, 1915; Res. Phys., Univ. Hosp., Iowa, 1915; Instr. in Med., Univ. of Iowa, 1916-17; *Asst. Res. Phys., P. B. B. H., July 21, 1917-January 1, 1918; M. C., U. S. Army, 1918-19; Coolidge Fellow in Med., Columbia Univ., New York, 1919-20; Instr. in Med., ibid.; in practice, New York City.*

STEVENS, WILLIAM B.

M.D., Harv., 1924; Asst. Res., Thorndike Lab., B. C. H., 1924-25; Interne, Fourth Med. Service, *ibid.*, 1925-26; *Asst. Res. Phys., P. B. B. H., December 1, 1926-August 22, 1927; Jr. Visit. Phys., B. C. H.; Member, Assoc. Staff, Faulkner, N. E. Deaconess, Robert B. Brigham Hosp., Boston; Asst. in Med., Harv.; in practice, Boston.*

STEWART, STEELE FULLER

B.S., Westminster, Pa., 1912; M.D., Univ. of Pa., 1918; *Surg. H. O., P. B. B. H., June 1, 1918-July 1, 1919; Orthopedic Service, Children's Hosp., Boston, 1920; Orthopedic Service, M. G. H., 1921-22; Assoc. Orthopedic Surg., Children's Hosp., Los Angeles, 1922; Asst. Orthopedic Surg., ibid.; Jr. Orthopedic Surg., Los Angeles Gen. Hosp.; Orthopedic Surg., San Bernardino County Welfare Commission; Orthopedic Consultant, Nat. Home for Disabled Volunteer Soldiers, Sawtelle, Calif.; Asst. Prof. Surg. (Orthopedics), Univ. of So. Calif.; in practice, Los Angeles, Calif.*

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STIMSON, HORACE POTTLE

A.B., Amherst, 1918; M.D., Harv., 1922; *Surg. H. O., P. B. B. H.*, March 1, 1923-July 1, 1924; *Asst. Res. Surg.*, *ibid.*, September 8-December 12, 1924; Phys. of Fogg Museum Archæological Expedition to Mongolia, 1925; in practice, Miami, Fla., 1926-28; Assoc. in Traumatic Surg., Clin. of Doctors Forrester, Stimson and Mason; Orth. Consult., Marine Hosp. of Chicago; Member, Attending Staff, Chicago Memorial Hosp., and St. Joseph's Hosp., Chicago; Consult. in Fractures and Orth. Surg., United Air Lines; in practice, Chicago, Ill.

STODDARD, JAMES LEAVITT

A.B., Harv., 1910; M.D., *ibid.*, 1914; *Pathol. H. O., P. B. B. H.*, July 1, 1914-July 1, 1915; *Act. Res. Pathol.*, *ibid.*, July 1-September 1, 1915; Research Fellow in Pathol., Harv.; Major, M. C., U. S. Army, 1917-19; Lect. in Biochemistry, Smith Coll., 1920-21; Asst. Prof. Biochemistry, Smith Coll., 1921-22; Chemist, M. G. H.; Asst. in Med., Harv.

STONE, ERIC PERCY

B.S., Harv., 1914, as of 1915; M.D., *ibid.*, 1918; *Surg. H. O., P. B. B. H.*, May 15, 1918-July 1, 1919; *Asst. Res. Surg.*, *ibid.*, October 1, 1919-June 15, 1920; Surg. in Charge, Urol. Serv., Charles V. Chapin Hosp.; Assoc. in Urol., Surg. Serv., R. I. Hosp.; Consult. Urol., Prov. Lying-In Hosp., Memorial Hosp., Pawtucket, and South County Hosp., Wakefield, R. I.; in practice, Providence, R. I.

STONE, GEORGE HENRY

A.B., Bowdoin, 1905; M.D., *ibid.*, 1908; H. O., Maine Gen. Hosp., 1908-09; in practice, Clinton, Mass., 1909-11; H. O., B. C. H., 1912-13; Exec. Asst., *ibid.*, 1913-15; *Third Asst. Supt.*, *P. B. B. H.*, February 1, 1915-May 1, 1917; *Second Asst. Supt.*, *ibid.*, May 1, 1917-July 1, 1919; Capt., M. C., U. S. Army, 1918-19; Major, Med. Sec., Officers' Reserve Corps, U. S. Army; *First Asst. Supt.*, *P. B. B. H.*, July 1, 1919-May 1, 1921; Supt., Eastern Maine Gen. Hosp., Bangor, Me., June, 1921-February, 1930; Supt., The Memorial Hosp., Worcester, Mass.

STRAYER, LUTHER M.

A.B., Princeton, 1926; M.D., Harv., 1930; *Surg. H. O., P. B. B. H.*, July 1, 1930-November 1, 1931; Jr. Fellow in Surg., Presbyterian Hosp., New York City, December, 1931-June, 1932; Res. on Fracture Serv., *ibid.*, 1932-33; in practice, Stratford, Conn., 1933-37; Interne. Orth. Surg., C. H.

STRAYHORN, JR., WILLIAM DAVID

B.A., Vanderbilt, 1925; M.D., *ibid.*, 1928; *Med. H. O., P. B. B. H.*, July 1, 1928-November 1, 1929; Asst. in Med., Vanderbilt Hosp., 1929-30; Asst. Res. Phys., *ibid.*, 1930-31; Res. Phys., *ibid.*, 1931-32; Res. Phys., N. Y. Hosp. and Cornell Univ. Med. Coll., 1932-34; Medical Officer, Tenn. Valley Authority, 1934-36; in practice, Nashville, Tenn.

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STURGIS, CYRUS CRESSEY

B.S., Univ. of Wash., 1913; M.D., Johns Hopkins, 1917; *Med. H. O., P. B. B. H., October 15, 1917-August 22, 1918*; First Lieut., M. C., U. S. Army, 1918-19; *Asst. Res. Phys., P. B. B. H., August 25, 1919-April 15, 1920*; *Res. Phys., ibid., April 15, 1920-August 1, 1922*; *Assoc. in Med., ibid., August 1, 1922-September 1, 1925*; Fac. Instr. in Med., Harv., September 1, 1922-September 1, 1925; Asst. Prof. Med., *ibid.*, September 1, 1925; Assoc. Phys., C. P. Huntington Hosp., September 1, 1925-January 1, 1926; *Physician, P. B. B. H., September 1, 1925-July 1, 1927*; Director, Thos. Henry Simpson Mem. Inst. for Med. Research; Prof. Int. Med., Univ. of Mich. Sch. of Med.; Director, Dept. of Int. Med., Univ. Hosp., Ann Arbor, Mich.

SULLIVAN, JR., GARRETT L.

A.B., Boston Coll., 1930; M.D., Harv., 1934; *Med. H. O., P. B. B. H., February 15, 1935-July 1, 1936*; Asst. Res. Phys., Boston Sanatorium, July-December, 1936; H. O., Mass. E. and E. Infirm., 1936-38; Asst. in Ophthal., Harv.; Clin. Asst. in Ophthal., Mass. E. and E. Infirm.; Visit. Ophthal., Boston Blind Babies' Nursery.

SULLIVAN, GEORGE ARNOLD

A.B., Catholic Univ., Washington, D. C., 1929; D.M.D., Harv., 1933; *Dental Interne, P. B. B. H., 1933-34*; in practice, Newburyport, Mass.

TAFT, ANNIE E.

M.D., Tufts, 1907; *Res. Pathol., P. B. B. H., November 5, 1917-January 31, 1918*; Res. Phys., Pa. Hosp. Mental and Nervous Diseases, 1918-20; Special Research Asst., Boston Psychopathic Hosp., 1920-21; Neuro-Pathol., Pa. Hospital Mental Diseases, and Neuropsychiatrist, Community Health Centre, Philadelphia, 1922-27; Laura Spelman Research Fellow, Dept. Industrial Medicine, Univ. of Pa., 1927-31; Bibliographic Research, Neurol. Inst. of New York, 1932-33; Laboratory Research in Neuropsychiatry, Philadelphia.

TAFT, ROGER BROWNE

D.M.D., Harv., 1908; Asst. in Oral Surg., *ibid.*, 1910; Instr. in Oral Surg., *ibid.*, February 1, 1919; *Dental Surg., P. B. B. H., January 13, 1916-February 13, 1919*; Instr. in Operative Dent., Harv.; in practice (Dentistry), Boston.

TAYLOR, ARTHUR C.

B.A., Univ. of Wisconsin, 1921; M.A., *ibid.*, 1924; M.D., Harv., 1927; *Med. H. O., P. B. B. H., July 1, 1927-November 1, 1928*; *Pathol. H. O., ibid., January, 1929-January, 1930*; Asst. Res. in Surg., Wis. Gen. Hosp., January, 1930-July, 1930; Res. in Surg., *ibid.*, 1930-31; Asst. in Surg., Univ. Clin., Basel, Switzerland, 1932; Instr. in Surg., Univ. of Wis., 1931-35; in practice, Washburn, Wis.

TEEL, CHARLES E.

M.D., Washington Univ., 1923; Surg. Interne, New Haven Hosp., 1923-24; H. O., M. G. H., 1924-25; *Asst. Res. Surg., P. B. B. H.,*

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November 1, 1925-June 22, 1926; Asst. in Genito-Urinary Surg., Harv., 1925-26; in practice, Bellingham, Wash.

TEEL, HAROLD M.

M.D., Harv., 1929; Arthur Tracy Cabot Fellow, Harv., January-September, 1929; *Jr. Assoc. in Surg., P. B. B. H., July 1-September 1, 1929; Asst. Res., Lakeside Hosp., 1929-31; H. O., Boston Lying-In Hosp., 1931-33; Res. in Obst., ibid., 1933-34; Instr. in Obstetrics, Harv.*

TEFFT, JR., RICHARD C.

A.B., Yale, 1916; M.D., Harv., 1920; *Med. H. O., P. B. B. H., March 1, 1921-July 1, 1922; Assoc. Phys., Children's Med. Dept., M. G. H.; Consult. in Pediatrics, Mass. Eye and Ear Infirm; Instr. in Pediatrics, Harv.; Consult. in Pediatrics, Robert Brigham Hosp.; in practice, Boston, Mass.*

TEMPLETON, EARL R.

B.S., Colgate Univ., 1914; M.D., Syracuse, 1920; *Pathol. H. O., P. B. B. H., July 6, 1920-July 1, 1921; Med. H. O., New Haven Hosp., 1921-22; Res. in Med., Buffalo City Hosp., 1922; Clin. Asst. in Med., ibid.; Cardiologist, Mercy Hosp., Buffalo, N. Y.; Post-graduate study abroad, 1932; Assoc. Prof. Clin. Cardiology, Georgetown Univ. Sch. of Med.; in practice, Washington, D. C.*

THAXTER, LANGDON THOM

A.B., Williams, 1911; M.D., Harv., 1915; Med. House Pupil, M. G. H., 1915-16; *Surg. H. O., P. B. B. H., November 14, 1916-July, 1917; Res. Roent., M. G. H., 1927-28; Roentgenologist, Maine Gen. Hosp.*

THOMPSON, CHARLES BAKER

A.B., Haverford, 1909; M.D., Johns Hopkins, 1913; *Med. H. O., P. B. B. H., November 1, 1913-November 1, 1914; Second Asst. Res., Phipps Psychiatric Clin., J. H. H., 1914-15; First Asst. Res., ibid., 1915-16; Psychiatrist and Executive Secretary, Mental Hygiene Soc. of Md., 1916-27; Editor, *Mental Health*, 1923-26; School Psychiatrist, Baltimore Public Schools, 1922-27; Attend. Phys., Vanderbilt Clin., Psychiatric Dept.; Instr. in Psychiatry, College of Phys. and Surgs., New York, 1927-29; Psychiatrist, Bellevue Hosp., New York; Instr. in Psychiatry, N. Y. Univ.; Vice-President, The Lifwynn Foundation; in practice, New York City.*

THOMPSON, KENNETH WADE

A.B., Leland Stanford, 1926; M.D., Harv., 1929; *Surg. H. O., P. B. B. H., January 1, 1930-May 1, 1931; Fellow in Surg. Research, Harv.; Asst. Res. Surg., P. B. B. H., October 1, 1931-March 1, 1933; Cushing Fellow, ibid., March 1-July 1, 1933; Peters Traveling Fellow, 1933-34; Res. Surg., P. B. B. H., 1934-35; Instr. in Surg., Harv., 1934-35; Fellow in Experimental Endocrinology, Yale, 1935-37; Coxe Fellow, ibid.; Assoc. Surg., New Haven Hosp.; Asst. Prof. Surg., Yale.*

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THRASHER, IRVING D.

M.D., Johns Hopkins, 1931; Rotating Interne, J. H. H., 1931-33; *Pathol. H. O., P. B. B. H., January 1, 1933-September 23, 1933*; Res. Surg., Illinois Research and Educational Hosp., Univ. of Ill., 1933-35; Member, Attend. Staff, Henrotin and Grant Hosps.; in practice, Chicago, Ill.

THURMON, FRANCIS M.

B.S., Illinois Coll., 1922; M.D., Harv., 1926; Interne, Wesley Mem. Hosp., 1926-28; Fellow in Med., Harv., 1928-29; *Asst. Res. Phys., P. B. B. H., June 15, 1929-September 1, 1930*; Phys.-in-Chief, Clin. of Dermatology and Syphilis, Boston Disp.; Dermatologist, Boston Floating Hosp.; Asst. Prof. Dermatology, Tufts College Med. Sch.; in practice (dermatology), Boston.

TOLLMAN, JAMES PERRY

B.S., Univ. of Neb., 1927; M.D., *ibid.*, 1929; *Med. H. O., P. B. B. H., July 1, 1929-November 1, 1930*; *Pathol. H. O., ibid., January 1, 1931-July 15, 1931*; Assoc. Prof. Pathol., Univ. of Nebraska.

TOWLERTON, FLETCHER JOHNSON

A.B., Harv., 1917; M.D., *ibid.*, 1921; H. O., Collis P. Huntington Mem. Hosp., 1919-20; *Surg. H. O., P. B. B. H., July 1, 1921-November 1, 1922*; Visit. Surg., Lyons Hosp., Lyons, N. Y.; in practice, Lyons, N. Y. *Died October 8, 1933.*

TOWNE, EDWARD BANCROFT

A.B., Harv., 1906 (1907); M.D., *ibid.*, 1913; *Surg. H. O., P. B. B. H., July 1, 1913-November 1, 1914*; *Asst. Res. Surg., ibid., November 1, 1914-November 1, 1915*; Surg., Second Harv. Unit, B. E. F., France, 1915-16; Vol. Asst. in Exp. Bacteriol., Mayo Foundation, Rochester, Minn., 1916; Fellow *pro tempore*, Mayo Foundation, 1916-17; *Asst. Res. Surg., P. B. B. H., September 1, 1916-May 7, 1917*; Major, M. C., U. S. Army, May, 1917-19; Assoc. Clin. Prof. of Surg., Leland Stanford Junior Univ., San Francisco; in practice, San Francisco, Calif.

TRANter, CHARLES LEE

B.S., Univ. of Calif., 1911; M.D., *ibid.*, 1913; Med. and Surg. H. O., Univ. of Calif. Hosp., 1913-14; Asst., Nerve O. P. D., *ibid.*, 1914-15; Asst. in Neurol., Univ. of Calif., 1915; *Asst. Res. Surg., P. B. B. H., January 8, 1916-January 1, 1917*; Asst. in Neurol., Univ. of Calif., 1917; Capt., M. C., U. S. Army; in practice, San Francisco, Calif.

TREMAINE, MYRON JEWELL

B.A., Univ. Ill., 1929; M.S., Northwestern, 1932; M.D., *ibid.*, 1932; *Med. H. O., P. B. B. H., 1933-34*; Res. Gynecologist, Passavant Mem. Hosp., Chicago, 1934-35; Capt., M. C., U. S. Army.

TROPPOLI, DANIEL V.

A.B., A.M., Brown Univ., 1923; M.D., Harv., 1927; Neurol. H. O., M. G. H., June, 1927-January, 1928; *Med. H. O., P. B. B. H.,*

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March 1, 1928-July 1, 1929; Res. Phys., R. I. Hosp., 1929-30; Surg. H. O., P. B. B. H., July 1, 1931-November 1, 1932; in practice, Providence, R. I.

TURNBULL, GEORGE CLARENCE

M.D., Northwestern Univ., 1922; H. O., Gen. Serv., Surg. and Obstetrics, Evanston Hosp., Evanston, Ill., 1922-23; Asst. in Pathol., Northwestern Univ., 1920-22; *Med. H. O., P. B. B. H., March 1, 1923-July 1, 1924; Phys. (special), Yale Univ. Dept. Health, New Haven, Conn., 1924-26; Clin. Asst., Dept. Int. Med., Yale Univ. Sch. of Med., 1924-26; Post-Grad. work in Medicine and Pathol., Vienna, Austria, 1926-27; Assoc. in Med., Northwestern Univ.; Attend. Phys., Passavant Hosp., Chicago; Assoc. Phys., Evanston Hosp. Med. Service; in practice, Evanston, Ill.*

TURNER, RALPH WALDO

M.D., Albany Med. School, 1917; *Surg. H. O., P. B. B. H., December 23, 1917-May 2, 1918; Lieut., M. C., U. S. Army. Deceased.*

VAIL, HARRIS HOLMES

A.B., Yale, 1912; M.D., Harv., 1917; *Surg. H. O., P. B. B. H., March 1, 1916-May 3, 1917; Lieut., M. C., U. S. Navy, 1917-19; H. O., Aural, Mass. Eye and Ear Infirm., 1920-21; Attend. Otolaryngologist, Christ Hosp. and Good Samaritan Hosp., Cincinnati; Asst. in Otolaryngology, Univ. of Cincinnati; in practice (Otolaryngology), Cincinnati, Ohio; died, April, 1939.*

VAN AUKEN, HOWARD A.

A.B., Yankton Coll., 1925; M.D., Univ. of Mich., 1931; *Med. H. O., P. B. B. H., July 1, 1931-November 1, 1932; Fellow in Med. Research, Harv., 1932-33; Clin. Asst., N. Y. Post-Grad. Hosp. and Med. Sch., 1933-35; Instr. in Med., *ibid.*, 1935-36; Capt., M. C., U. S. Army, Ft. Belvoir, Va.*

VANCE, ROBERT G.

Roent., Huntington Mem. Hosp., 1924-28; *Assoc. in Roent., P. B. B. H., 1928; Asst. Visit. Phys., X-ray Dept., M. G. H.; Roent. to Winchester and Chelsea Mem. Hosp.; Roent., Newton Hosp. and Framingham-Union Hosp.*

VAN GORDER, GEORGE WILSON

A.B., Williams, 1911; M.D., Harv., 1915; *Surg. H. O., P. B. B. H., March 1, 1915-July 1, 1916; Medical House Pupil, M. G. H., 1916-17; House Surg., Free Hosp. for Women, Brookline, 1917; Capt., M. C., U. S. Army, 1917-1919; Associate Prof. Surg., Peiping Union Medical College, Peiping, China, 1920-29; Visit. Orth. Surg., M. G. H.; Instr. in Orthopedic Surg., Harv.; in practice, Boston, Massachusetts.*

VAN WAGENEN, WILLIAM P.

A.B., Cornell, 1918; M.D., Harv., 1922; Asst. Anat., Cornell, 1918-19; H. O., Memorial Hosp., N. Y., 1922; *Surg. H. O., P. B. B. H.,*

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1922-24; Res. Surg., Memorial Hosp., N. Y., 1924-25; *Asst. Res. Surg., P. B. B. H.*, 1926-27; Res. Surg., Rochester Gen. Hosp., 1926-27; Asst. in Neurol., Harv. and B. C. H., 1927-28; Asst. Prof. Surg., Univ. of Rochester School of Med.; Assoc. Prof. Surg., *ibid.*

VASTINE, JACOB H.

M.D., Univ. of Pa., 1923; Interne, Easton Hosp., Easton, Pa., 1923-24; Gen. Practice, 1 year; *H. O., X-ray Dept., P. B. B. H.*, Aug. 1, 1925-Feb. 1, 1926; *Asst. Res. in Roent., ibid.*, Feb. 1-June 15, 1926; Clin. Prof. of Radiology, Woman's Med. Coll., Philadelphia; Roentgenologist, Hosp. of the Woman's Med. Coll.; Radiologist, St. Christopher's Children's Hosp.; Asst. Prof. Radiology, Grad. Sch., Univ. Pa.; in practice, Philadelphia, Pa.

VAUGHAN, WALTER W.

A.B., Univ. No. Carolina, 1929; M.D., Jefferson, 1933; Interne, Geisinger Mem. Hosp., July 1, 1933-July 1, 1934; *Roent. H. O.*, July 1, 1934-July 1, 1935, *Asst. Res. in Roent.*, July 1, 1935-July 1, 1936, *P. B. B. H.*; Asst. Radiologist, Duke Univ. Hosp.; Radiologist, Watts Hosp., Durham, N. C.

VAUGHAN, WARREN TAYLOR

A.B., Univ. of Mich., 1913; M.D., *ibid.*, 1916; *Med. H. O., P. B. B. H.*, July 1, 1916-Nov. 7, 1917; M. C., U. S. Army, Nov. 7, 1917-July 27, 1919; Asst. in Preventive Med. and Hygiene, Harv., 1919-20; Editor, Journ. Lab. and Clin. Med.; Director, The Vaughan-Graham Clin.; in practice, Richmond, Va.

VERMOOTEN, VINCENT

A.B., Univ. of Capetown, South Africa, 1918; A.M., *ibid.*, 1919; M.D., Johns Hopkins, 1923; Sr. Demonstr. in Anat., Univ. of Capetown, 1918-20; Res. H. O., Johns Hopkins, 1923-24; Asst. Res. Surg., New Haven Hosp., 1924-27; Asst. in Surg., Yale, 1924-27; Asst. in G. U. Surg., Harv.; *Asst. Res. Surg., P. B. B. H.*, 1927-28; Instr. in Urol., Yale Univ., 1928-30; Asst. Prof. Urol., *ibid.*; Assoc. Surg., New Haven Hosp., 1930-33; Hon. Consult. Urol. to the Far East Rand Hosp. and to Krugersdorp Hosp.; in practice, Union of South Africa.

VICKERS, DENVER M.

A.B., Colorado Coll., 1917; M.D., Harv., 1921; *Surg. H. O., P. B. B. H.*, July, 1921-Nov. 1, 1922; Surg., Mary McClellan Hosp., Cambridge, New York; in practice, Cambridge, N. Y.

VIETS, HENRY ROUSE

B.S., Dart., 1912; M.D., Harv., 1916; *Surg. H. O., P. B. B. H.*, March 1-Aug. 16, 1917; Capt., M. C., U. S. Army, 1917-19; Asst. Neurol., M. G. H.; Visit. Neurol., Long Island Hosp., Boston; Assoc. in Neurol., Harv.; in practice, Boston.

WAKEMAN, EDWARD T.

B.A., Yale, 1919; M.D., *ibid.*, 1922; *Med. H. O., P. B. B. H.*, July 1, 1922-Nov. 1, 1923; Asst. in Pediatrics, 1923-25, Instr. in Pediatrics,

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1925-26, Clin. Instr. Pediatrics, 1926-34, Med. Examiner, Dept. Univ. Health, 1926-29, Yale; Attend. Pediatrician, Grace Hosp.; Asst. Attend. Pediatrician, New Haven Hosp. and New Haven Disp.; Asst. Clin. Prof. Pediatrics, Yale.

WALKER, CLIFFORD BLACK

S.B., Univ. of Cal., 1906; Stud., Univ. of Cal. Med. Sch., 1907-10; M.D., Johns Hopkins, 1911; M.D., *ibid.*, 1912; Asst. to Dr. Cushing, 1911-12; Sr. Ophthal. House Surg., Mass. Eye and Ear Infirm., Boston, 1913; Sr. Aural House Surg., *ibid.*, 1914; *Assoc. in Surg., P. B. B. H., March 1, 1915-April 25, 1918*; Asst. in Ophthal., Harv., 1916-18; Assoc. Staff, Good Samaritan Hosp. and Good Hope Clin.; Jr. Ophthalmic Surg., Co. Hosp., Los Angeles, Calif.; Assoc. Clin. Prof. Ophthalmology, College of Medical Evangelists; Assoc. Prof. in Ophthalmology (Surg.), Univ. of So. Calif.; in practice, Los Angeles, Calif.

WALKER, JR., GEORGE L.

B.S., Emory Univ., 1924; M.D., *ibid.*, 1926; H. O., Grady Hosp., 1926-27; House Phys., *ibid.*, 1927-28; *Asst. Res. Phys., P. B. B. H., Sept. 1, 1928-Sept. 1, 1929*; Res. Phys., Cornell Div., Bellevue Hosp., N. Y., 1929-31; in practice, Griffin, Georgia.

WALKER, WILLIAM G.

M.D., Univ. of Iowa; 3 months Pathol. Dept., *ibid.*; 1 year Interne, Univ. of Iowa Hosp.; 1 year Clin. Asst., *ibid.*; 2½ months Clin. Microscopy, *ibid.*; *Jr. Assoc. in Med., P. B. B. H., Sept. 25, 1922-July 1, 1924*; Chief, Med. Serv., Brockton Hosp.; in practice, Brockton, Massachusetts.

WARREN, JR., WILLIAM CHESTER

B.S., Emory Univ.; M.D., *ibid.*; *Surg. H. O., P. B. B. H., March 28, 1922-July 1, 1923*; Asst. and House Surg., Manhattan Ear, Nose and Throat Hosp., New York, 1923-24; Grad. Stud., Vienna, Austria; Assoc. Instr., O. R. L. Serv., Emory Univ.; in practice, Atlanta, Georgia.

WATKINS, ARTHUR LANCASTER

A.B., Harv., 1931; M.D., *ibid.*, 1935; *Med. H. O., P. B. B. H., June 15, 1935-March 1, 1937*; Res. in Neurol., M. G. H., 1937-38; Asst. Phys., Boston Psychopathic Hosp.

WATKINS, S. SHELTON

A.B., Center Coll. of Ky., 1908; A.M., *ibid.*, 1909; M.D., Johns Hopkins, 1914; Med. and Surg. H. O., Church Home and Infirm., Baltimore, 1914; *Third Asst. Supt., P. B. B. H., May 1, 1914-Jan. 15, 1915*; Asst. in Clin. Laryngology, Johns Hopkins; Asst. Disp. Laryngologist, J. H. H.; Asst. Res. Surg., *ibid.*; Mem. of Dr. L. F. Barker's Staff at 1035 No. Calvert St., Baltimore, Md.; Lieut., M. C., U. S. Navy, 1917-19; in practice, Louisville, Kentucky.

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WEARN, JOSEPH TRELOAR

B.S., Davidson, 1913; M.D., Harv., 1917; *Med. H. O., P. B. B. H., June 15, 1917-June 15, 1918*; 1st Lieut., M. C., U. S. Army, 1917-19; *Asst. Res. Phys., P. B. B. H., Sept. 1, 1919-Aug. 15, 1921*; Instr. in Pharm., Univ. of Penn., 1921-23; Instr. in Med., Harv., 1923-24; Asst. Prof. of Med., *ibid.*; Asst. Phys., Thorndike Lab., B. C. H.; Jr. Visit. Phys., *ibid.*; Assoc. Prof. Med., Harv.; Assoc. Director, Thorndike Lab., B. C. H.; Visit. Phys., B. C. H., 1928-29; Prof. of Med., Western Reserve Univ., Cleveland, Ohio; Director of Med., Lakeside Hosp.

WEGEFARTH, PAUL

A.B., Johns Hopkins, 1908; Stud. of Med., Strassburg and Berlin, Germany, 1909-11; M.D., Johns Hopkins, 1912; *Surg. H. O., P. B. B. H., Nov. 1, 1912-March 1, 1914*; Res. Phys., Church Home Infirmary, Baltimore, 1914-15; Phys., San Diego, Cal., 1914-17; commissioned 1st Lieut., M. C., Sept., 1917; commissioned Capt., M. C., May, 1918; in practice at San Diego, May, 1919, until December, 1921. *Died March 29, 1923.*

WEISMAN, PAUL GERHARDT

B.S., Univ. of Mich., 1911; M.D., *ibid.*, 1913; H. O., Providence City Hosp. (Contagious Wards), 1914; H. O., R. I. Hosp., 1914-16; *Asst. Res. Phys., P. B. B. H., April 1-Aug. 1, 1916*; Asst. Res., Union Prot. Infirm., Baltimore, 1917; Res., *ibid.*, 1917-18; Lieut., M.C., U. S. Army, 1918; in practice, Colfax, Washington.

WELBOURN, MARSHALL AGNEW

B.S., Univ. of Mich., 1913; M.D., *ibid.*, 1915; *Assoc. in Med., P. B. B. H., July 1, 1915-March 1, 1916*; *Med. H. O., ibid., March 1, 1916-July 1, 1917*; Capt., M. C., U. S. Army, 1917-19; Instr. in Int. Med., Univ. of Mich., 1919-20; in practice, Los Angeles, California.

WELLER, JR., G. LOUIS

B.A., Johns Hopkins, 1927; M.D., *ibid.*, 1932; *Med. H. O., P. B. B. H., Oct. 15, 1932-Mar. 1, 1934*; Clin. Instr. in Med., George Washington Univ.; in practice, Washington, D. C.

WELLS, GUY

Ph.B., Brown Univ., 1916; M.D., Cornell, 1920; Interne, R. I. Hosp., 1920-22; *Asst. Res. Phys., P. B. B. H., Aug. 1, 1922-March 1, 1924*; Secretary, R. I. State Med. Soc., 1936; in practice, Providence, Rhode Island.

WELLS, WARD STANLEY

S.B., Grinnell, 1909; M.D., Harv., 1916; *Assoc. in Med., P. B. B. H., July 1, 1916-April 8, 1917*; *Med. H. O., ibid., April 8-July 18, 1917*; Major, M. C., U. S. Army, Letterman Gen. Hosp., Presidio of San Francisco, Calif.; Instr. in Clin. Electro-Cardiography, Army Med. Center, Washington, D. C. *Died Oct. 24, 1929, at Manila, P. I.*

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WENTWORTH, JOHN ALEXANDER

A.B., Bowdoin, 1909; M.D., Harv., 1913; H. O., Hartford Hosp., Hartford, Conn., 1913-15; *Sr. Med. H. O., P. B. B. H., July 1-Nov. 1, 1915*; Alumni Asst., Clin. Pathol., Harv.; Asst., Harv. Infantile Paralysis Comm., Fall, 1916; *Asst. Res. Phys., P. B. B. H., Nov. 1, 1915-Aug. 1, 1917*; Assoc. Phys., Clifton Springs Sanitarium, New York, 1917-18; 1st Lieut., M. C., U. S. Army, 1918-19; Phys., Clifton Springs Sanitarium, New York, 1919-21; Asst. Phys., Hartford Hosp.; Assoc. Phys., *ibid.*; Phys. (Visit.), *ibid.*; Consult. Phys., Neuro-Psychiatric Inst. and Hosp., Hartford, New Britain Gen. Hosp., Manchester Mem. Hosp., Middlesex Hosp., Windham Co. Hosp., Backus Hosp., Norwich, Avon Old Farms School, Avon, Conn.; in practice, Hartford, Conn.

WEST, HOWARD FRANK

A.B., Stanford, 1912; M.D., *ibid.*, 1915; Interne, Lane Hosp., San Francisco, 1915-17; *Asst. Res. Phys., P. B. B. H., Sept. 15-Oct. 15, 1917*; *Act. Res. Phys., ibid., Oct. 15, 1917-Jan. 1, 1918*; *Res. Phys., ibid., Jan. 1, 1918-April 15, 1920*; Alumni Asst. in Med., Harv., 1918-20; Assoc. Phys., Diabetic Serv., Children's Hosp., Los Angeles; Assoc. Med. Director, Los Angeles Metabolic Clin.; Staff, St. Vincent Hosp., Los Angeles; Attend. Staff, Hosp. of Good Samaritan; Staff, Cedars of Lebanon and Los Angeles Gen. Hosp.; Clin. Prof. Med., Univ. of So. Calif.; in practice, Los Angeles, Calif.

WHEELER, BANCROFT C.

A.B., Harv., 1920; M.D., *ibid.*, 1924; Surg. H. O., Mass. General Hosp., Sept., 1924-June, 1926; Urol. H. O., Roosevelt Hosp., Jan.-June, 1927; *Asst. Res. Surg., P. B. B. H., 1927-28*; Res. Surg., Mem. Hosp., Worcester, 1928-29; Asst. Visit. Surg., *ibid.*

WHEELER, DANIEL W.

S.B., Knox Coll., 1915; M.D., Rush Med. Coll., 1920; *Asst. Res. Surg., P. B. B. H., June 1, 1921-March 1, 1922*; Fellow in Pathol., Rush Med. Coll., 1920-21; Fellow, Trudeau Foundation, 1922; Asst. Res. Phys., Trudeau Sanatorium, 1923; Asst. Med. Director, Nopeming Sanatorium, Nopeming, Minn., 1924; in practice, Duluth, Minnesota.

WHITAKER, LESTER R.

M.D., Harv., 1923; Surg. H. O., New Haven Hosp., 1923-24; *Assoc. in Surg., P. B. B. H., July 11, 1924-Sept. 1, 1925*; Arthur Tracy Cabot Fellow, Harv., 1924-25; *Asst. Res. Surg., P. B. B. H., Sept. 1, 1925-July 1, 1927*; Nat. Research Council Fellow in Surg., Univ. of Rochester Sch. of Medicine and Dentistry, 1927-28; Assoc. Member, Evans Mem. for Clin. Research and Prev. Med., 1929-36; Mem., Surg. Staff, Mass. Mem. Hosps. and Teach. Staff, B. U. Sch. of Med., 1928-38; in practice, Boston, 1928-38; in practice, Surg., Portsmouth, N. H.

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WHITE, BENJAMIN V.

A.B., Princeton, 1930; M.D., Harv., 1934; *Med. H. O., P. B. B. H., June 15, 1934-Nov. 1, 1935*; Psychiatric H. O., New Haven Hosp., January-September, 1936; Jeffrey Richardson Fellow, Harv., 1936-38; Grad. Asst. in Med., M. G. H., 1936-38; Clin. Asst. in Med. and Asst. to the Pathol., Hartford Hosp.; in practice, Hartford, Conn.

WHITFIELD, ROBERT DAY

B.A., Holy Cross, 1931; M.D., Harv., 1935; *Surg. H. O., P. B. B. H., October 15, 1935-April 23, 1937*; H. O. in Pathol. and Physiol., Albany Hosp.; Asst. in Pathol. and Bact., Albany Med. Coll., 1937-38; Asst. Res. Neurol. Surg., Albany Hosp.

WHITING, WALTER BELKNAP

Two years pre-med. work, Wash. and Lee Univ., and Cornell Summer Sch.; M.D., Harv., 1923; *Med. H. O., P. B. B. H., July 1, 1923-Nov. 1, 1924*; *Asst. Res. Phys., ibid., Nov. 1, 1924-July 1, 1925*; Phys., Wichita Clin. Hosp.; in practice, Wichita Falls, Texas.

WHITNEY, RAYMOND CYRUS

B.S., Middlebury, 1914; M.D., Harv., 1918; *Surg. H. O., P. B. B. H., Jan. 10-Oct. 28, 1918*; American Relief Comm., Near East, Caesarea, Turkey-in-Asia, American Hosp.; H. O., Mass. Eye and Ear Infirm., 1920-22; Ophthalmologist, St. Luke's Hosp., New Bedford; in practice (Ophthalmology), New Bedford, Massachusetts.

WILENS, GUSTAV

Ph.B., Yale, 1920; M.D., *ibid.*, 1923; *Pathol. H. O., P. B. B. H., July 1, 1923-July 1, 1924*; Res. Pathol., Children's Hosp., Boston; Instr. in Pathol., Harv., 1924-25; H. O. in Pediatrics, Children's Hosp., Boston, 1926-27; Director of Laboratories, Truesdale Hosp., Fall River, Mass.; Asst. Pediatrician, *ibid.*, Jan.-Sept., 1927; Director of Montgomery Co. Laboratories (Julius Wasserman Mem. and John Barnes Foundation), Montgomery Co., N. Y.; Pathol., City Hosp., St. Mary's Hosp., Amsterdam, N. Y.; Pathol. to Montgomery Co. Tbc. San.; Consultant Pediatrician, *ibid.*, 1930-31; in pediatric practice, Utica, New York, 1928-36; Pediatrician, Charlotte Hungerford Hosp.; in practice, Torrington, Conn.

WILMAERS, ALBERT

M.D., Univ. of Brussels, 1921; Interne, Hospitals of Brussels; 3 months as Asst. to Prof. Vaquez, Paris; worked under Dr. DeMoor and Dr. DeMeyer; Physiol. Inst., Univ. of Brussels; Fellow, C.R.B., Educational Foundation; *Act. Asst. Res. Phys., P. B. B. H., Sept. 15-Nov. 15, 1923*; Asst. in General Path., Univ. of Brussels, 1924-28; in practice, Brussels, Belgium.

WILSON, CHARLES P.

A.B., Reed Coll., Portland, Oregon, 1920; M.D., Johns Hopkins, 1924; *Med. H. O., P. B. B. H., Mar. 1, 1925-July 1, 1926*; Asst. Res. Phys., Vanderbilt Univ., Nashville, Tenn., 1926-27; Res. Phys.,

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ibid., 1927-28; Clin. Assoc. in Med., Univ. of Oregon; in practice, Portland, Oregon.

WILSON, DAVID COLE

B.A., Univ. of Va., 1912; M.D., *ibid.*, 1919; Interne, Univ. of Va. Hosp., 1919; *Med. H. O., P. B. B. H., Dec. 15, 1919-Mar. 1, 1921*; Phys., Clifton Springs San., Clifton Springs, New York, 1921-29; Assoc. Prof. Neuro-Psychiatry, Univ. of Virginia.

WILSON, JAMES ROBERT

M.D., Syracuse Univ., 1921; Instr., *ibid.*; Asst. in Pathol., Harv.; Res. Pathol., Children's Hosp., Boston; Instr., Dept. Pathol., Harv.; *Res. Pathol., P. B. B. H., Sept. 15, 1923-July 1, 1924*; Assoc. in Pediatrics, Cornell Med. School, New York; Asst. Attend. Pediatricist, Out-Patient Dept., New York Nursery and Child's Hosp., New York; Pathologist, *ibid.*; Asst. Attend. Pediatricist, *ibid.*, 1924-29; Asst. Prof. Pediatrics, Syracuse Med. Sch.; Assoc. Attend. Pediatrician, Syracuse Univ. Hosp. and Syracuse Mem. Hosp.; in practice, Syracuse, N. Y.

WILSON, RICHARD B.

B.S., Emory Univ., 1920; M.D., *ibid.*, 1922; H. O., Boston Psycho. Hosp., 1922-23; *Med. H. O., P. B. B. H., Mar. 1, 1924-July 1, 1925*; Post-Grad. work at Inst. for Brain Anatomy, Amsterdam, Holland, 1925-26; Post-Grad. work in Neuro-Pathol., Hamburg, Fredrichsburg, Germany, 1926-27; Post-grad. work, National Hosp., London, 1928; Res., Neurol. Serv., Bellevue Hosp., N. Y., 1929; Assoc. in Neurol. and Psychiatry, Emory Univ.; in practice (neurology), Atlanta, Ga.

WISLOCKI, GEORGE BERNAYS

A.B., Washington Univ., 1912; M.D., Johns Hopkins, 1916; Asst. in Anat., *ibid.*, 1916-17; Arthur Tracy Cabot Fellow, Harvard, 1916-17; and 1919-20; *Assoc. in Surg., P. B. B. H., Mar. 25-Oct. 1, 1920*; Assoc. in Anat., Johns Hopkins; Assoc. Prof. of Anat., *ibid.*, 1923-31; Parkman Prof. Anat., Harv.

WOOD, CORNELIUS B.

A.B., Mich. State Univ., 1926; M.D., Univ. of Mich., 1930; Fellow in Pathol., *ibid.*, 1930-31; H. O., Presbyterian Hosp., Chicago, 1931-32; Arthur Tracy Cabot Fellow, Harv., 1932-33; *Jr. Assoc. in Surg., P. B. B. H., Aug. 15, 1932-July 1, 1933*; *Asst. Res. Surg., P. B. B. H., July 1, 1933-November 1, 1934*.

WOOD, R. HUGH

M.D., Med. Coll. of Va., 1921; Interne, St. Elizabeth's Hosp., Richmond, Va., 1922; Res. Pathol., Mem. Hosp., Richmond, Va., 1922-23; *Med. H. O., P. B. B. H., Mar. 1, 1923-July 1, 1924*; Chief Res., 1924-26, Instr. in Med., 1925-31, Assoc. in Med., 1931-35, Visiting Phys., Grady Hosp., Atlanta, Ga.; Asst. Visit. Phys., Emory Univ. Hosp.; in practice, Atlanta, Ga.

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WOOD, RUSSELL

A.B., Harv., 1916; M.D., *ibid.*, 1920; *Med. H. O.*, *P. B. B. H.*, March 1, 1921-July 1, 1922; Grad. Asst. in Med., M. G. H., 1922; H. O., So. Dept., B. C. H., 1922-23; Visit. Phys., St. Luke's Hosp., New Bedford, Mass.; Member, Advisory Council, *ibid.*; in practice, New Bedford, Mass.

WOODS, ALAN CHURCHILL

A.B., Johns Hopkins, 1910; M.D., *ibid.*, 1914; *Med. H. O.*, *P. B. B. H.*, July 1, 1914-November 1, 1915; Fellow and Assoc. in Exper. Med. and Asst. in Ophthal., Univ. of Pa.; Major, M. C., U. S. Army, 1917-19; Acting Prof. Ophthal., Johns Hopkins Univ.; Director, Dept. of Ophthalmology and Ophthalmologist-in-Chief, Johns Hopkins Hosp.; in practice (ophthalmology), Baltimore, Md.

WOODWARD, HARRY WHITING

A.B., Bowdoin, 1910; M.D., Harv., 1915; *Surg. H. O.*, *P. B. B. H.*, March 1, 1915-July 1, 1916; H. O., Boston Lying-In Hosp., 1916; Capt., Royal Army Med. Corps; Visit. Staff, Surg. Services, Glockner Hosp. and Sanatorium, Bethel Hosp., Colorado Springs, Colo.; Surg. Consult., Modern Woodmen of America San., Colorado Springs; Surg. Consult., Colo. Coll. Athletic Assoc.; Surg. Staff, St. Francis Hosp.; Asst. Surg. Consult., Union Printers' Home; in practice, Colorado Springs.

WOOLSTON, STEPHEN S.

B.S., Princeton, 1924; M.D., Univ. of Pa., 1929; Interne, Pennsylvania Hosp., 1929; Interne, Protestant Episcopal Hosp., Philadelphia, 1929-31; *Asst. Res. Surg.*, *P. B. B. H.*, January 15, 1932-May 1, 1932.

WOSIKA, PAUL HENRY

B.S., M.D., Northwestern, 1931; M.S. (Med.), *ibid.*, 1936; Interne, Passavant Mem. Hosp., Chicago, 1930; Res. in Gynecology, *ibid.*, 1931; *Asst. Res. Phys.*, *P. B. B. H.*, 1931-33; in charge, Preclinic, Northwestern, 1934-36; Elizabeth Ward Fellow in Med., *ibid.*, 1934-38; Instr. in Med., *ibid.*, 1935; in charge, medical clinic, *ibid.*, 1936-38; Attend. Staff, Passavant Mem. Hosp; Assoc. in Med., Cook Co. Hosp.; in practice (internal medicine), Chicago, Ill.

WRIGHT, LESLIE H.

M.D., Univ. of Vt., 1918; H. O., Naval Hosp., Chelsea, 1918-19; Transport Serv., May 1, 1919-September 1, 1919; Asst. Phys., Conn. State Hosp., September, 1919-July, 1920; Private Practice, July, 1920-May, 1922; Pathol., Monson State Hosp., May, 1922-December, 1924; Asst. in Hosp. Adm., Harv. Sch. Public Health, 1927-28; *Second Asst. Supt.*, *P. B. B. H.*, December 1, 1924-December 1, 1927; *First Asst. Supt.*, *ibid.*, December 1, 1927-July 1, 1930; Supt., Genesee Hosp., Rochester, N. Y.

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WRIGHT, MARY

A.B., Vassar, 1911; M.D., Johns Hopkins, 1917; *Med. H. O., P. B. B. H.*, July 1, 1917-September 17, 1918; H. O. (Pediatrics), M. G. H., 1918-19; H. O., St. Louis Children's Hosp., 1919; Asst. Res., St. Louis Children's Hosp., 1919-20; Phys. to Children's Med. O. P. D., M. G. H.; Attend. Phys., N. E. Hosp. for Women and Children; in practice, Boston. *Died, January 13, 1927.*

WULFFAERT, FRANZ RENE

B.A., Brussels, 1906; B.S., *ibid.*, 1907; M.D., *ibid.*, 1912; Asst. Phys., St. John's Hosp., Brussels, 1913; Res. Anesthetist, St. Mary's Hosp., London, Eng., 1915; *Pathol. H. O., P. B. B. H.*, January 15-July 1, 1918; *Res. Pathol.*, *ibid.*, July 1, 1918-March 31, 1919; Asst. in Pathol., Harv., 1918-19; Asst. Surg. (Gynecology), St. John's Hosp., Brussels, 1919-23; Asst. Surg., Univ. Brussels, 1923-25; in practice, Brussels, Belgium.

WYATT, TYREE C.

A.B., Wake-Forest Coll., 1920; M.D., Syracuse Univ., 1922; Dept. of Pathol., *ibid.*, 1922-27; *Med. H. O., P. B. B. H.*, 1927-28; H. O., N. Y. Nursery and Child's Hosp., 1929; Attend. Pathol., *ibid.*, 1929-30; Instr. in Pediatrics, Cornell Univ. School of Med., 1930-31; Attend. Pathol. and Asst. Pediatrician, Syracuse Mem. Hosp.; Asst. Prof. Pediatrics, Syracuse Univ.; in practice, Syracuse, N. Y.

WYNN, JAMES

B.S., Indiana Univ., 1917; M.D., *ibid.*, 1919; M.D., *cum laude*, *ibid.*, 1920; *Asst. Res. Phys., P. B. B. H.*, July 1, 1920-October 4, 1921; Alternate on Visit. Staff, Indianapolis City Hosp., Indianapolis; Research Fellow, Indiana Univ. Med. Sch. *Died at Colorado Springs, Colo., December 4, 1931.*

YOAKAM, WAYNE ADDISON

B.S., Denison Univ., 1916; M.D., Harv., 1920; *Surg. H. O., P. B. B. H.*, July 1, 1920-November 1, 1921; Obst. H. O., Boston Lying-In Hosp., 1921-22; Henry Ford Hosp., 1922-25; Assoc. Attend. Obstetrician, Providence Hosp. and Herman Keifer Hosp.; in practice, Detroit, Mich.

YOUNG, RICHARD HART

B.S., Univ. of Chicago, 1926; M.A., Univ. of Nebraska, 1930; M.D., *ibid.*, 1930; *Med. H. O., P. B. B. H.*, July 1, 1930-November 1, 1931; Neurol. H. O., Bellevue Hosp., N. Y., January-October, 1932; Henry Phipps Psychiatric Clin., Johns Hopkins Hosp., 1932-33; Asst. Prof. Neurol. and Psychiatry, Univ. of Nebraska; in practice, Omaha, Neb.

YOUNGE, PAUL A.

A.B., Univ. of Wis., 1927; M.D., Harv., 1931; *Surg. H. O., P. B. B. H.*, 1931-32; Resident, Free Hosp. for Women, Brookline, Mass., 1932-34; Asst. Pathol., *ibid.*, 1934-38; Asst. Visit. Surg., *ibid.*

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ARMITAGE, GEORGE

M.B., Ch.B., Leeds, 1921; Surg. Tutor, Univ. of Leeds; Rockefeller Foundation Fellow, 1929-30; *P. B. B. H., Surg., November 1929-November 1930*; Leeds, England.

ASHER, ARTHUR GRAHAM

M.D., Rush Medical College, Chicago; *P. B. B. H., Med., October 1930-October 1931*; Kansas City, Mo.

AYMAN, DAVID

M.D., Harv., 1926; Research Fellow in Med., Harv., 1933-34; *P. B. B. H., Med., 1933-34*; Boston, Mass.

BAGDASAR, DIMITRI

M.D., Bucharest, 1922; Physician-in-chief, Hospital of Nervous Diseases, Jimbolia; *P. B. B. H., Surg., October 1927-October 1928*; Jimbolia, Roumania.

BARTRAM, EDWARD ALEXANDER

M.D., Univ. of Western Ontario, London, Canada, 1928; *P. B. B. H., Med., October 1931-August 1932*; London, Canada.

BELL, DONALD C.

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BREMER, FREDERIC

M.D., Univ. of Brussels; C.R.B., Foundation Fellow, 1920; *P. B. B. H., Surg., October 1920-April 1921*.

BRILL, I. C.

M.D., Columbia, 1914; *P. B. B. H., Med., 1923-24*; Asst. Clin. Prof. Med., Univ. of Oregon; Portland, Ore.

BROWN, MORTON G.

A.B., Harv., 1927; M.D., *ibid.*, 1931; *P. B. B. H., Med., 1933-34*; Asst. in Med., Harv.; Asst. Phys., Beth Israel Hosp.; Boston, Mass.

BRUGSCH, HEINRICH

M.D., Berlin, 1927; Fellow of Akademische and Austausch-dients; *P. B. B. H., Med., 1929-30*; Boston Disp., Boston, Mass.

BRYAN, A. HUGHES

M.D., Harv., 1931; Research Fellow in Med., Harv., 1933-34; *P. B. B. H., Med., 1933-34*.

COURVILLE, CYRIL B.

M.D., College Med. Evangelists, 1925; Interne, Los Angeles Gen. Hosp.; *P. B. B. H., Surg., August 1927-January 1928*; Loma Linda, Calif.

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DECAMPS, NESTOR

M.D., Brussels, 1925; Fellow of Commission for Relief of Belgium Education Foundation; *P. B. B. H., Med.*, 1926-27.

DECOPPET, GASTON

M.D., Univ. of Berne, 1924; Chef de clinique, Prof. de Quervain's service, Berne; Rockefeller Foundation Fellow, 1929-30; *P. B. B. H., Surg.*, September 1929-August 1930; Inselspital, Berne, Switzerland.

DEERY, EDWIN M.

M.D., Harv., 1926; *P. B. B. H., Surg.*, November 1928-September 1929; New York City.

FANG, I-CHI

M.D., Peiping Union Medical College, 1922; *P. B. B. H., Administration*, 1931.

FINCHER, JR., EDGAR F.

M.D., Emory, 1925; Interne, Piedmont Hosp., 1925-26; *P. B. B. H., Surg.*, June-September 1926; Atlanta, Ga.

FRIED, BORIS M.

M.D., Imperial Nicholas Univ., Saratov, 1914; *P. B. B. H., Surg.*

GAIRDNER, ALAN C.

B.Ch., Oxon, 1926; F.R.C.S., Eng., 1928; *P. B. B. H., Surg.*, November 1928-January 1929; London Hosp., London, England.

GRANT, FRANCIS C.

M.D., Univ. of Penn., 1919; *P. B. B. H., Surg.*, October 1925-May 1926; Philadelphia, Pa.

GROFF, RICHARD ARMAND

M.D., Univ. of Pennsylvania, 1928; *P. B. B. H., Surg.*, 1931.

HALPENNY, ATTRACTA

L.R.C.S., Royal Coll. Phys. and Surg., Dublin; Purefoy Mem. Scholar, Coll. of Surgs., Dublin; *P. B. B. H., Surg.*, September-December 1929; Dublin, Ireland.

HOLLAND, CLYDE

M.S., C.M., Dalhousie, 1923; Fellow of Rockefeller Foundation; *P. B. B. H., Med.*, 1929-30; Halifax, N. S.

ISAACS, RAPHAEL

M.D., Cincinnati, 1918; *P. B. B. H., Med.*, 1922-23; Asst. Prof. of Medicine, Univ. of Michigan.

KAPLAN, ABRAHAM

M.D., Harvard, 1927; *P. B. B. H., Surg.*, 1931.

KINDALL, LLOYD E.

M.D., Univ. of Colorado, 1913; *P. B. B. H., Urol.*, January-June 1926; Oakland, Calif.

FORMER VOLUNTARY GRADUATE ASSISTANTS

KOTTKE, ELMER E.

M.D., Northwestern Univ., Chicago; *P. B. B. H., Med.*, October 1930-May 1931; Des Moines, Iowa.

KREDEL, FREDERICK E.

M.D., Johns Hopkins, 1929; *P. B. B. H., Surg.*, June 15-September 15, 1927; and June 15-September 15, 1928.

KUBIE, LAWRENCE S.

M.D., Johns Hopkins, 1921; *P. B. B. H., Surg.*, September-October 1927; New York City.

LAWS, CLARENCE L.

M.D., Emory, 1930; Assistant Resident Physician, Vanderbilt University Hosp., Nashville, Tenn., 1931-32; *P. B. B. H., Med.*, August 1932-May 1933.

LEE, FERDINAND C.

M.D., Johns Hopkins, 1919; Surg. Interne, September 1919-September 1920; *P. B. B. H., Surg.*, June-September 1923; Baltimore, Md.

LEHMAN, WALTER

Prof. Surg., Chirurgische Univ. Clin., Göttingen, Germany; *P. B. B. H., Surg.*, January-April 1926.

LIST, CARL FELIX

M.D., Berlin, Germany, 1926; *P. B. B. H., Surg.*, 1931; Berlin, Germany.

LYNCH, RALPH

M.D., Pennsylvania, 1923; *P. B. B. H., Med.*, 1927-28; Pittsburgh, Pa.

MATTON, MARCEL

M.D., Ghent, 1929; Fellow of Commission for Relief of Belgium Education Foundation; *P. B. B. H., Med.*, 1924-25; Ghent, Brussels.

MEACHEN, JOHN W.

M.D., Harv., 1922; *P. B. B. H., Roentgenology*, 1924; Roentgenologist, Huntington Memorial and Palmer Memorial Hospitals.

MENTZER, JOHN H.

M.D., Univ. of Pa., 1930; *P. B. B. H., Med.*, 1932-33; Philadelphia, Pa.

MORELLE, JEAN

M.D., Louvain Univ., 1924; Asst. in Surg., Louvain; C.R.B. Educational Foundation Fellowship, 1925-26; *P. B. B. H., Surg.*, October 1925-June 1926; Louvain, Belgium.

MUANGAM, P.

P. B. B. H., Roentgenology, 1927. Sent by Government of Siam for study.

ODY, FRANCOIS

M.D., Univ. of Geneva, 1922; Chef du second service de chirurgie (au concours) de l'Hopital Cantonal de Geneve; Rockefeller Foundation Fellow, 1930-31; *P. B. B. H., Surg.*, 1930-31.

PETER BENT BRIGHAM HOSPITAL

OLJENICK, IGNATIUS

Med. Docts. Arts, Univ. of Amsterdam, 1911; Rockefeller Foundation Fellow, 1927-29; *P. B. B. H., Surg., March 1927-March 1929*; Wilhelmina Gasthuis, Amsterdam.

PARKS, ARTHUR E.

M.D., Univ. Toronto, 1930; Vol. Research Worker, Toronto Western Hosp.; *P. B. B. H., Med., 1934*; Toronto, Canada.

PATTISON, ALFRED RICHARD DENIS

M.B., B.S., Durham, England, 1929; Surg. Registrar, Resident Medical Officer, Royal Victoria Infirmary, Newcastle upon Tyne, England; *P. B. B. H., Surg., March-September 1932*.

PETIT-DUTAILLIS, DANIEL

Interne and Chef de clinique, Hospitaux de Paris; *P. B. B. H., Surg., April 24-June 7, 1930*.

REYNOLDS, LLOYD R.

M.D., Stanford, 1919; Surg. Res., Stanford Hosp., 2 yrs.; *P. B. B. H., Surg., October 1923-January 1924*.

RIVES, JOHANNES

Rockefeller Foundation Fellow, Esthonia; *P. B. B. H., Surg., 1931*.

ROSENBLUM, HAROLD HERBERT

M.D., Univ. of California Med. School, 1930; Research Fellow, Harv., July, 1931-July, 1932; *P. B. B. H., Med., July, 1931-July, 1932*; San Francisco, Calif.

SCHALTENBRAND, GEORG

M.D., Univ. of Munich, 1923; Rockefeller Foundation Fellow, 1925-27; *P. B. B. H., Surg., January 1926-March 1927*.

SCHLESINGER, BENNO

Univ. of Vienna, Austria; *P. B. B. H., Surg., 1931*.

SCHONBAUER, LEOPOLD

M.D., Univ. of Prague, 1914; Assoc. with Prof. Eiselberg, Vienna, 5 years; *P. B. B. H., Surg., November 1924-January 1925*.

SCRIVER, WALTER DE M.

M.D., McGill, 1921; Fellow of National Research Council; *P. B. B. H., Med., 1925-26*; Montreal, Canada.

SEPPANEN, ANNI DAGMAR

Dr. of Med. and Surg., Helsinki Univ., 1931; *P. B. B. H., Med., 1932-33*; Helsingfors, Finland.

SHANKS, MAJOR

P. B. B. H., Pathology, 1927; Indian Medical Service.

STAMMERS, F. A. R.

M.B., Ch.B., Univ. of Birmingham, 1923; M.R.C.S., L.R.C.P., England, 1925; Rockefeller Foundation Fellow, 1928-29; *P. B. B. H.,*

FORMER VOLUNTARY GRADUATE ASSISTANTS

Surg., October-November 1929; Asst. Surgeon, Birmingham General Hospital, Birmingham, England.

STARR, M. P.

M.D., Rush, 1922; *P. B. B. H., Med.*, 1923-24; Asst. Prof. of Med., Northwestern Univ.; Chicago, Ill.

TAUSSIG, BARRETT

M.D., Washington Univ., 1932; Research Worker, *ibid.*, January-July 1934; *P. B. B. H., Med.*, 1934-35; St. Louis, Mo.

THOMPSON, WILLIAM PAUL

M.D., Harv., 1931; Asst. Res. in Med., New York Hosp., 1933-34; *P. B. B. H., Med.*, 1934-35; Los Angeles, Calif.

TOWNSEND, STUART R.

M.D., C.M., McGill, 1933; House Officer and Resident, Montreal Gen. Hosp., 1933-36; Research Fellow in Med., Harv., 1936-37; *P. B. B. H., Med.*, 1936-37.

VAN DESSEL, ARTHUR

M.D., Univ. of Louvain, 1920; C.R.B., Educational Foundation Fellowship; *P. B. B. H., Surg.*, February 1925-July 1925.

VOTQUENNE, MARIUS

Docteur en Medicine, Chirurgie, Univ. of Brussels, 1933; *P. B. B. H., Surg.*, 1935-36; Brussels, Belgium.

WOLFF, BERNARD P.

M.D., Emory Univ., 1934; Interne and House Physician, 1st Medical Division, Bellevue Hospital, N. Y., 1934-35, and Res. Phys., *ibid.*, 1936; Research Fellow in Med., Harv., 1937; *P. B. B. H., Med.*, 1937.

WÖRNER, EDWARD

M.D., Univ. of Munich, Germany; *P. B. B. H., Roentgenology*, 1932; Munich, Germany.

ZEITLIN, ALEXANDER

M.D., Univ. of Warsaw, 1917; Assoc. Surg., Surgical Clin., North Caucasian Univ., Rostov; *P. B. B. H., Surg.*, December 1930-January 1931.

ZUBIRAN, SALVADOR

M.D., Univ. of Mexico, 1923; *P. B. B. H., Med.*, 1923-24; Prof. de Clinica Medica en la Facultad de Medicina, Univ. of Mexico, Mexico City.

Register of Former Members of the Corporation

Elected

May	8, 1902	ALEXANDER COCHRANE	Died April 10, 1919
May	8, 1902	EBEN DRAPER	Died April 9, 1914
May	8, 1902	HENRY S. HOWE	Died March 2, 1931
May	8, 1902	WALTER HUNNEWELL	Died September 30, 1921
May	8, 1902	WILLIAM R. TRASK	Died February 1, 1933
May	8, 1902	LAURENCE H. H. JOHNSON	Died June 24, 1934
Oct.	2, 1902	AUGUSTUS HEMENWAY	Resigned September 12, 1919

Appointed

June	16, 1909	*JOHN P. REYNOLDS	Died December 9, 1920
Apr.	15, 1915	CHARLES P. CURTIS	Resigned January 9, 1936
Feb.	7, 1918	FRANCIS L. HIGGINSON	Resigned July 8, 1932
Feb.	7, 1918	CHARLES F. CHOATE, JR.	Resigned March 13, 1924
Dec.	11, 1919	LOUIS A. FROTHINGHAM	Died August 23, 1928
Feb.	12, 1920	WILLIAM H. WELLINGTON	Died February 2, 1925
Mar.	26, 1925	HARRY L. BAILEY	Resigned September 13, 1935
May	14, 1931	CHARLES A. COOLIDGE, JR.	Resigned March 12, 1935

* *Appointed by the Governor of Massachusetts.*

Officers of the Institution, 1939

President

WILLIAM AMORY

Treasurer

RIPLEY L. DANA

Assistant Treasurer

ROBERT CUTLER

Secretary

NATHANIEL T. WINTHROP

Assistant Secretary

ALLYN B. McINTIRE

MEMBERS OF THE CORPORATION

Appointed

Jan.	5, 1921	WILLIAM AMORY	179 Commonwealth Ave.	
				Boston
Nov.	8, 1934	HENRY B. CABOT	50 Federal St.	Boston
May	8, 1902	EDMUND D. CODMAN	27 Kilby St.	Boston
June	11, 1936	T. JEFFERSON COOLIDGE	First National Bank,	
			Milk St.	Boston
Mar.	25, 1931	RICHARD C. CURTIS	30 State St.	Boston
Feb.	13, 1936	ROBERT CUTLER	1 Federal St.	Boston
May	14, 1936	RIPLEY L. DANA	1 Federal St.	Boston
Mar.	26, 1925	PAUL E. FITZPATRICK	104 Kingston St.	Boston
June	16, 1909	*IRVIN MCD. GARFIELD	30 State St.	Boston
Apr.	13, 1933	THEODORE LYMAN	105 Heath St.	Chestnut Hill
Jan.	27, 1938	ALLYN B. McINTIRE	160 State St.	Boston
Apr.	13, 1939	JOHN J. ROBINSON.....	50 Oliver St.	Boston
Mar.	27, 1924	RICHARD S. RUSSELL	50 State St.	Boston
July	24, 1936	†JOHN H. WALSH	1040 Main St.	Waltham
Sept.	27, 1938	NATHANIEL T. WINTHROP..	1 Federal St.	Boston

STANDING COMMITTEES OF THE CORPORATION

Building Committee

ALLYN B. McINTIRE

EDMUND D. CODMAN

PAUL E. FITZPATRICK

JOHN J. ROBINSON

N. A. WILHELM, M.D., *Secretary*

* *Appointed by the Governor of the Commonwealth under an act approved May 8, 1909. Commission expires May 11, 1939.*

† *Appointed by the Governor of the Commonwealth under an act approved May 8, 1909. Commission expires July 24, 1942.*

PETER BENT BRIGHAM HOSPITAL

Auditing Committee

PAUL E. FITZPATRICK

Committee on Finances

T. JEFFERSON COOLIDGE, <i>Chairman</i>	RICHARD C. CURTIS
RIPLEY L. DANA	RICHARD S. RUSSELL
ROBERT CUTLER	

Committee on Heat, Light, and Power

IRVIN McD. GARFIELD, <i>Chairman</i>	THEODORE LYMAN
JOHN H. WALSH	

Committee on Nominations

NATHANIEL T. WINTHROP	RICHARD C. CURTIS
-----------------------	-------------------

Committee on Rules

T. JEFFERSON COOLIDGE	EDMUND D. CODMAN
ROBERT CUTLER	

Budget Committee

WILLIAM AMORY	ROBERT CUTLER
RIPLEY L. DANA	

SCHOOL OF NURSING

Advisory Committee

WILLIAM AMORY	HENRY A. CHRISTIAN, M.D.
ALYN B. MCINTIRE	ELLIOTT C. CUTLER, M.D.
NORBERT A. WILHELM, M.D.,	PRES. ADA COMSTOCK
<i>Superintendent</i>	MRS. GEORGE C. SHATTUCK
LUCY H. BEAL, B.S., R.N., <i>Principal</i>	MRS. COLLINS GRAHAM

LADIES' SOCIAL SERVICE COMMITTEE

MRS. DAVID CHEEVER, <i>Chairman</i>	MRS. DONALD MCKAY FROST
MRS. J. A. LOWELL BLAKE,	MRS. F. L. HIGGINSON
<i>Acting Chairman</i>	MRS. JOHN HOMANS
MISS KATHARINE HOMANS, <i>Secretary</i>	MRS. LYMAN H. HOYT
MRS. ROGER B. MERRIMAN, <i>Treasurer</i>	MRS. WALTER HUNNEWELL
MRS. HARRY C. BLOTNER	MRS. FRANC D. INGRAHAM
MRS. DAVID CHEEVER, JR.	MRS. L. H. H. JOHNSON
MRS. F. D. COCHRANE	MRS. SAMUEL A. LEVINE
MRS. ELLIOTT C. CUTLER	MRS. ROBERT T. MONROE
MRS. GEORGE P. DENNY	MRS. RICHARD C. PAINE
MRS. E. STANLEY EMERY, JR.	MRS. MERRILL C. SOSMAN
MRS. REGINALD FITZ	MRS. S. BURT WOLBACH
MRS. F. MURRAY FORBES	MRS. ROBERT ZOLLINGER

OFFICERS OF THE INSTITUTION

VISITING COMMITTEE FOR 1939

THEODORE LYMAN	January
PAUL E. FITZPATRICK.....	February
RICHARD S. RUSSELL.....	March
RICHARD C. CURTIS.....	April
JOHN J. ROBINSON.....	May
ROBERT CUTLER	June
EDMUND D. CODMAN.....	July
RIPLEY L. DANA	August
NATHANIEL T. WINTHROP.....	September
T. JEFFERSON COOLIDGE	October
ALLYN B. MCINTIRE	November
JOHN H. WALSH	December

EXECUTIVE COMMITTEE OF THE STAFF

HENRY A. CHRISTIAN, M.D.	S. BURT WOLBACH, M.D.
ELLIOTT C. CUTLER, M.D.	NORBERT A. WILHELM, M.D., <i>Secretary</i>

ADMINISTRATIVE DEPARTMENT

<i>Service began</i>	<i>Superintendent</i>
Jan. 1, 1939	NORBERT A. WILHELM, M.D.
	<i>Superintendent-Emeritus</i>
Jan. 26, 1939	JOSEPH B. HOWLAND, M.D.
	<i>Assistant Superintendents</i>
Apr. 8, 1937	WINTHROP B. OSGOOD, M.D.
July 1, 1939	THOMAS C. TODD, M.D.
	<i>Executive Assistant</i>
June 18, 1935	EVA McCOMB THOMAS, R.N.

BOARD OF CONSULTATION

<i>Appointed</i>	
Mar. 25, 1912	WALTER B. CANNON, M.D., <i>Consulting Physiologist</i>
Mar. 8, 1928	GEORGE R. MINOT, M.D., <i>Consulting Physician</i>
Apr. 12, 1923	HANS ZINSSER, M.D., <i>Consulting Bacteriologist</i>
Oct. 13, 1932	E. LAWRENCE OLIVER, M.D., <i>Consulting Dermatologist</i>
Jan. 1, 1933	CHANNING FROTHINGHAM, M.D., <i>Consulting Physician</i>
Jan. 1, 1933	LEROY M. S. MINER, D.M.D., <i>Consulting Dental Surgeon</i>
Mar. 8, 1934	J. HERBERT WAITE, M.D., <i>Consulting Ophthalmologist</i>
Oct. 10, 1935	A. BAIRD HASTINGS, Ph.D., <i>Consulting Chemist</i>
Sept. 1, 1936	REGINALD FITZ, M.D., <i>Consulting Physician</i>
May 13, 1937	WILLIAM E. LADD, M.D., <i>Consulting Surgeon</i>

PETER BENT BRIGHAM HOSPITAL

MEDICAL DEPARTMENT

Service began

May	1, 1912	HENRY A. CHRISTIAN, M.D., <i>Physician-in-Chief</i>
Sept.	1, 1934	MARSHALL N. FULTON, M.D., <i>Physician</i>
Sept.	1, 1935	C. SIDNEY BURWELL, M.D., <i>Physician</i>
Sept.	1, 1935	ROBERT T. MONROE, M.D., <i>Physician</i>
July	1, 1915	JAMES P. O'HARE, M.D., <i>Senior Associate in Medicine</i>
Aug.	8, 1919	SAMUEL A. LEVINE, M.D., <i>Senior Associate in Medicine</i>
May	24, 1928	JOSEPH C. AUB, M.D., <i>Senior Associate in Medicine</i>
Jan.	24, 1935	WILLIAM P. MURPHY, M.D., <i>Senior Associate in Medicine</i>
Sept.	1, 1935	CLIFFORD L. DERICK, M.D., <i>Senior Associate in Medicine</i>
Dec.	12, 1912	NATHANIEL K. WOOD, M.D., <i>Associate in Medicine</i>
Sept.	1, 1915	I. CHANDLER WALKER, M.D., <i>Associate in Medicine</i>
Sept.	12, 1919	DONALD J. MACPHERSON, M.D., <i>Associate in Medicine</i>
Nov.	12, 1925	GUSTAVE P. GRABFIELD, M.D., <i>Associate in Medicine</i>
May	10, 1926	EDWARD S. EMERY, JR., M.D., <i>Associate in Medicine</i>
Jan.	1, 1934	F. WILLIAM MARLOW, JR., M.D., <i>Associate in Medicine</i>
Jan.	1, 1934	HARRY H. BLOTNER, M.D., <i>Associate in Medicine</i>
May	9, 1935	LYMAN H. HOYT, M.D., <i>Associate in Medicine</i>
Dec.	10, 1936	JOHN M. FLYNN, M.D., <i>Associate in Medicine</i>
Dec.	10, 1936	WILLIAM T. SALTER, M.D., <i>Associate in Medicine</i>
July	1, 1938	ROGER P. DAWSON, M.D., <i>Associate in Medicine</i>
Oct.	26, 1933	EARLE A. HARVEY, M.D., <i>Junior Associate in Medicine</i>
Oct.	11, 1934	DAVID L. HALBERSLEBEN, M.D., <i>Junior Associate in Medicine</i>
Oct.	11, 1934	CHARLES F. WALCOTT, M.D., <i>Junior Associate in Medicine</i>
Nov.	1, 1935	HARRY A. WARREN, M.D., <i>Junior Associate in Medicine</i>
Jan.	23, 1936	GEORGE W. LYNCH, M.D., <i>Junior Associate in Medicine</i>
Aug.	1, 1936	ANDREW W. CONTRATTO, M.D., <i>Junior Associate in Medicine</i>
Oct.	8, 1936	ROBERT FLEMING, M.D., <i>Junior Associate in Medicine</i>
Oct.	8, 1936	HARRY B. FRIEDGOOD, M.D., <i>Junior Associate in Medicine</i>
July	16, 1937	EUGENE C. EPPINGER, M.D., <i>Junior Associate in Medicine</i>
Oct.	14, 1937	JOHN G. GIBSON, M.D., <i>Junior Associate in Medicine</i>
Nov.	1, 1938	ALFRED W. HARRIS, M.D., <i>Resident Physician</i>
Oct.	1, 1937	ROBERT B. RUTHERFORD, M.D., <i>Assistant Resident Physician</i>
July	1, 1938	DRAPER WARREN, M.D., <i>Assistant Resident Physician</i>
July	1, 1938	RENO R. PORTER, M.D., <i>Assistant Resident Physician</i>
Aug.	1, 1938	FRANCIS F. ROSENBAUM, M.D., <i>Assistant Resident Physician</i>
Aug.	1, 1938	WILLIAM C. MCCLURE, M.D., <i>Assistant Resident Physician</i>
Nov.	1, 1938	ROY L. SWANK, M.D., <i>Assistant Resident Physician</i>
Jan.	1, 1939	WILLIAM D. KING, M.D., <i>Assistant Resident Physician</i>

OFFICERS OF THE INSTITUTION

SURGICAL DEPARTMENT

Service began

Sept.	1, 1932	ELLIOTT C. CUTLER, M.D., <i>Surgeon-in-Chief</i>
Oct.	13, 1932	HARVEY CUSHING, M.D., <i>Surgeon-in-Chief Emeritus</i>
May	1, 1912	JOHN HOMANS, M.D., <i>Surgeon</i>
Oct.	1, 1912	DAVID CHEEVER, M.D., <i>Surgeon</i>
June	19, 1916	WILLIAM C. QUINBY, M.D., <i>Urological Surgeon</i>
Mar.	26, 1936	FRANK R. OBER, M.D., <i>Orthopedic Surgeon</i>
Jan.	9, 1936	LYMAN G. RICHARDS, M.D., <i>Otolaryngological Surgeon</i>
June	15, 1924	FRANCIS C. NEWTON, M.D., <i>Senior Associate in Surgery</i>
Dec.	9, 1937	ROBERT ZOLLINGER, M.D., <i>Senior Associate in Surgery</i>
Dec.	9, 1937	HARLAN F. NEWTON, M.D., <i>Senior Associate in Surgery</i>
Mar.	8, 1934	TRYGVE GUNDERSON, M.D., <i>Senior Associate in Ophthalmological Surgery</i>
Oct.	7, 1929	MOSES S. STROCK, D.M.D., <i>Dental Surgeon</i>
May	1, 1933	WILLIAM T. GREEN, M.D., <i>Junior Associate in Orthopedic Surgery</i>
Oct.	26, 1933	ALBERT H. BREWSTER, M.D., <i>Junior Associate in Orthopedic Surgery</i>
Oct.	10, 1935	FLETCHER H. COLBY, M.D., <i>Junior Associate in Urological Surgery</i>
Dec.	13, 1934	GEORGE F. WILKINS, M.D., <i>Junior Associate in Surgery</i>
Mar.	28, 1935	LEE G. KENDALL, M.D., <i>Junior Associate in Surgery</i>
Nov.	12, 1936	LESLIE VAN RAALTE, M.D., <i>Junior Associate in Surgery</i>
Oct.	8, 1936	HARRY STONE, D.M.D., <i>Junior Associate in Dental Surgery</i>
July	1, 1937	CARL WALTER, M.D., <i>Junior Associate in Surgery</i>
July	16, 1937	SAMUEL CLINE, M.D., <i>Junior Associate in Otolaryngology</i>
Oct.	14, 1937	CARLISLE G. FLAKE, M.D., <i>Junior Associate in Otolaryngology</i>
Sept.	9, 1938	J. HARTWELL HARRISON, M.D., <i>Junior Associate in Surgery</i>
Sept.	9, 1938	THOMAS B. QUIGLEY, M.D., <i>Junior Associate in Surgery</i>
Oct.	13, 1938	JOHN E. DUNPHY, M.D., <i>Junior Associate in Surgery</i>
Oct.	27, 1938	PAUL E. HUGENBERGER, M.D., <i>Junior Associate in Orthopedic Surgery</i>
Dec.	8, 1938	WILLIAM A. ELLISTON, M.D., <i>Junior Associate in Orthopedic Surgery</i>
Dec.	8, 1938	MEIER G. KARP, M.D., <i>Junior Associate in Orthopedic Surgery</i>
Dec.	8, 1938	ROBERT JOPLIN, M.D., <i>Junior Associate in Orthopedic Surgery</i>
Jan.	1, 1939	J. HARTWELL HARRISON, M.D., <i>Harvey Cushing Fellow</i>
May	1, 1938	GEORGE AUSTEN, M.D., <i>Urological Fellow</i>
Sept.	1, 1938	ROBERT E. CROSS, M.D., <i>Resident Surgeon</i>
Mar.	1, 1938	JAMES B. BLODGETT, M.D., <i>Assistant Resident Surgeon</i>
July	1, 1938	PAUL D. GIDDINGS, M.D., <i>Assistant Resident Surgeon</i>
Nov.	1, 1938	JOHN F. BELL, M.D., <i>Assistant Resident Surgeon</i>
Mar.	1, 1939	STALEY O. HOERR, M.D., <i>Assistant Resident Surgeon</i>

PETER BENT BRIGHAM HOSPITAL

PATHOLOGICAL DEPARTMENT

Service began

Dec.	1, 1916	S. BURT WOLBACH, M.D., <i>Pathologist</i>
Sept.	1, 1937	GUY D. AYER, M.D., <i>Resident Pathologist</i>

ROENTGENOLOGICAL DEPARTMENT

Service began

May	15, 1922	MERRILL C. SOSMAN, M.D., <i>Roentgenologist</i>
Sept.	8, 1933	HUGH F. HARE, M.D., <i>Associate in Roentgenology</i>
Dec.	9, 1937	JOSEPH H. MARKS, M.D., <i>Associate in Roentgenology</i>
July	1, 1938	JOHN C. LARKIN, M.D., <i>Senior Assistant Resident in Roentgenology</i>
July	1, 1938	WALLACE C. MILLER, M.D., <i>Junior Assistant Resident in Roentgenology</i>
July	1, 1938	ROBERT M. CROWDER, M.D., <i>House Officer in Roentgenology</i>

MEDICAL HOUSE OFFICERS

Service began

Service ended

Oct.	15, 1936	WILLIAM C. MCCLURE, M.D.....	July	1, 1938
Oct.	15, 1936	RICHARD N. TILLMAN, M.D.....	July	1, 1938
Oct.	15, 1936	FRANCIS J. BROWN, M.D.....	July	1, 1938
Feb.	15, 1937	KARL SHEPARD, M.D.....	Nov.	1, 1938
Feb.	15, 1937	JOHN B. O'CONNOR, M.D.....	Nov.	1, 1938
Feb.	15, 1937	EDWARD J. WELCH, M.D.....	Nov.	1, 1938
June	15, 1937	JOSEPH R. FROTHINGHAM, M.D.....	Mar.	1, 1939
June	15, 1937	DAVID M. GREELEY, M.D.....	Mar.	1, 1939
June	15, 1937	HAROLD M. HORACK, M.D.....	Mar.	1, 1939
Oct.	15, 1937	CHARLES F. STONE, JR., M.D.....	July	1, 1939
Oct.	15, 1937	RALPH C. MOORE, M.D.....	July	1, 1939
Oct.	15, 1937	JOHN C. NUNEMAKER, M.D.....	July	1, 1939
Feb.	15, 1938	ALBERT C. ENGLAND, JR., M.D.....	Nov.	1, 1939
Feb.	15, 1938	ALBERT J. ERDMANN, JR., M.D.....	Nov.	1, 1939
Feb.	15, 1938	DANIEL W. BADAL, M.D.....	Nov.	1, 1939
June	15, 1938	DONALD B. FLETCHER, M.D.....	Mar.	1, 1940
June	15, 1938	ROBERT E. MOSS, M.D.....	Mar.	1, 1940
June	15, 1938	CHARLES NEUMANN, M.D.....	Mar.	1, 1940
Oct.	15, 1938	EDWIN N. IRONS, M.D.....	July	1, 1940
Oct.	15, 1938	HENRY W. RYDER, M.D.....	July	1, 1940
Oct.	15, 1938	ADOLPH B. SCHNEIDER, JR., M.D.....	July	1, 1940
Feb.	15, 1939	RALPH E. DOLKART, M.D.....	Nov.	1, 1940
Feb.	15, 1939	SIDNEY G. PAGE, M.D.....	Nov.	1, 1940
Feb.	15, 1939	WILLIAM H. RISER, M.D.....	Nov.	1, 1940

SURGICAL HOUSE OFFICERS

Service began

Service will end

June	1, 1938	FREDERICK J. LESEMAN, JR., M.D.....	June	1, 1939
July	1, 1939	LEONARD DONSANTO, D.M.D.....	July	1, 1939

OFFICERS OF THE INSTITUTION

COMBINED PETER BENT BRIGHAM-CHILDREN'S HOSPITAL SERVICE

<i>Service began</i>			<i>Service will end</i>	
Mar.	1, 1937	JOHN H. KENNARD, M.D.....	Aug.	1, 1939
May	1, 1937	DEAN W. TANNER, M.D.....	Oct.	1, 1939
July	1, 1937	JOHN A. SANDMEYER, M.D.....	Dec.	1, 1939
Sept.	1, 1937	ROBERT S. MYERS, M.D.....	Feb.	1, 1940
Nov.	1, 1937	McCHORD WILLIAMS, M.D.....	Apr.	1, 1940
Jan.	1, 1938	ROBERT R. WHITE, M.D.....	June	1, 1940
Mar.	1, 1938	RUTLEDGE W. HOWARD, M.D.....	Aug.	1, 1940
May	1, 1938	RICHARD S. NEFF, M.D.....	Oct.	1, 1940
July	1, 1938	CHARLES L. DIMMLER, M.D.....	Dec.	1, 1940
Sept.	1, 1938	DEAN K. RIZER, M.D.....	Feb.	1, 1941
Nov.	1, 1938	MARION L. CONNERLEY, M.D.....	Apr.	1, 1941
Jan.	1, 1939	HAROLD R. HOOVER, M.D.....	June	1, 1941
Mar.	1, 1939	CHILTON CRANE, M.D.....	Aug.	1, 1941
May	1, 1939	ORVAN SWENSON, M.D.....	Dec.	1, 1941

PATHOLOGICAL HOUSE OFFICERS

<i>Service began</i>				
July	1, 1938	DONALD C. MCCOLLUM, M.D.....	July	1, 1939
Feb.	1, 1939	VICTOR G. BALBONI, M.D.....	Jan.	1, 1940

SCHOOL OF NURSING

Superintendent of Nurses and Principal of the School of Nursing

<i>Service began</i>		
July	1, 1937	LUCY H. BEAL, B.S., R.N.

Assistant Superintendent of Nurses

Aug.	1, 1937	FRANCES W. BOWEN, B.S., R.N.
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Instructors in Science

Sept.	3, 1935	ELSIE L. CAMPBELL, B.S., R.N.
Sept.	1, 1938	GLADYS EKMAN, B.S., R.N.

Instructor in Nursing Arts

Sept.	1, 1929	BERNICE J. SINCLAIR, B.S., R.N.
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Instructor in Operating Room Technique

Oct.	1, 1938	BRIDGET EGAN, R.N.
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Supervisors

Sept.	6, 1932	FRANCES M. DAGGETT, R.N.
Sept.	1, 1937	ETHEL M. JORDAN, R.N.
Sept.	6, 1937	HELEN L. AIKINS, R.N.
Sept.	6, 1937	ESTHER KINNEY, R.N.
Apr.	1, 1938	KATHERINE G. MCPHAIL, R.N.

PETER BENT BRIGHAM HOSPITAL

Night Supervisors

Feb. 17, 1936 ROBERTA C. COBB, R.N.
May 10, 1937 RUTH MILLER, R.N.

Chief—Social Service Department

Aug. 17, 1914 ALICE M. CHENEY, R.N.

Dietitian

Service began

Aug. 1, 1931 GERTRUDE McDONALD, B.S.

Apothecary

Dec. 2, 1912 HARRY H. COMAN

Clerk

May 15, 1939 PAUL HENRICH

Record Librarians

House Records

June 16, 1922 EDITH M. ROBBINS

Out-Patient Records

Sept. 1, 1934 PAULINE E. SMITH

Housekeeper

Sept. 1, 1933 ANN M. LEWIS

Chief—Mechanical Departments

Apr. 1, 1939 ELLIOT W. TARR



FORM OF BEQUEST

I give and bequeath to the Peter Bent Brigham Hospital, a Corporation established under the laws of the Commonwealth of Massachusetts, the sum of.....dollars, the same to be used for the furtherance of its charitable work.

